AT-462
PS-6

Schematics only

III

Anhang
Appendix

MP MASTER
MA29276

AT462

Pegelsender
Level Generator

PS-6

Anschriften

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CONTROLLED
DOCUMENT

PEGELSENDER PS-6

LEVEL GENERATOR PS-6
6 kHz bis (to) 18,6 MHz

Anhang (Appendix) 340 R...

1.10.69 Hn
0.3.8.76 2324 GN v. 1959

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Änderungen vorbehalten
Subject to change without notice

Wandel & Goltermann · Reutlingen/Germany

ÄNDERUNGEN FÜR BN 340/2 (Modification for BN 340/2)

R 605	68 Ω	0309	5 %	Kl 2		
R 606	24,9 Ω	0207	0,5 %			
R 607	21,3 Ω	0207	0,5 %			
R 608	22,1 Ω	0207	0,5 %			
R 609	68 kΩ	0309	5 %	Kl 2		
R 610	18,7 Ω	0207	0,5 %			
R 611	18,9 Ω	0207	0,5 %			
R 612...615	entfallen (deleted)					
R 619	22 Ω	0309	5 %	Kl 2		
R 622	entfällt (deleted)					
C 605	15 pF		2 %		Keram.	
C 606	22 pF		2 %		Keram.	
C 607	27 pF		2 %		Keram.	
C 608	4,7 µF	100 V	10 %		Kunst.-Folie (plastic foil)	
C 609	68 pF		2 %		Keram.	
C 610	5,1 pF		± 0,5 pF		Keram.	
C 619	2 pF		± 0,25 pF		Keram.	
C 620, 621	300 pF	250 V	± 3 pF		Glimmer	Jahre
C 622	0,68 µF	63 V	20 %		Kunst.-Folie (plastic foil)	Siemens
C 623	entfällt (deleted)					
P 604	entfällt (deleted)					
Ü 606			Bv. 340-7730			
Ü 607			Bv. 340-7731			
Ü 608			Bv. 340-7756			
L 605			Bv. 340-7892			
L 606, 607	entfällt (deleted)					
S 601	4 x 3 Kontakte 7 µm hartvergoldet (contacts 7 µm hard gold plated) 1704 k					SEL
S 602	entfällt (deleted)					
Bu 602, 603	entfallen (deleted)					
Bu 605	Typ 470 C	Bell-System			Western-Electric	
Bu 606	Typ 470 C	Bell-System			Western-Electric	
Bu 607	Typ 470 C	Bell-System			Western-Electric	
Bu 609	Typ 216 F	Bell-System			Western-Electric	
Bu 610	Typ 216 F	Bell-System			Western-Electric	
J 2701			Bv. 340-8106			
Rel 607, 608	entfallen (deleted)					
St 601	entfällt (deleted)					
MA 601	entfällt (deleted)					

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SCHALTTEILLISTE (Parts List) ①

Vorbegrenzer und Sendemischer (Limiter and generator mixer)

Widerstände (Resistors)

R 101	22 Ω	0309	5 %	KI 2	
R 102	220 Ω	0309	5 %	KI 2	
R 103	560 Ω	0309	1 %	KI 0,5	
R 104	470 Ω	0309	5 %	KI 2	
R 105	220 Ω	0309	5 %	KI 2	
R 106, 107	22 Ω	0309	5 %	KI 2	
R 108	820 Ω	0309	1 %	KI 0,5	
R 109	270 Ω	0309	5 %	KI 2	
R 110	680 Ω	0309	1 %	KI 0,5	
R 111	470 Ω	0309	5 %	KI 2	
R 112	270 Ω	0309	5 %	KI 2	
R 113	22 Ω	0309	5 %	KI 2	
R 114	18 Ω	0309	5 %	KI 2	
R 115	330 Ω	0309	1 %	KI 0,5	
R 116	56 Ω	0309	1 %	KI 0,5	
R 117	68 Ω	0309	5 %	KI 2	
R 118	15 kΩ	0309	1 %	KI 0,5	
R 119	68 Ω	0309	5 %	KI 2	
R 120	27 kΩ	0309	1 %	KI 0,5	
R 121	68 Ω	0309	5 %	KI 2	
R 122	3,3 kΩ	0309	1 %	KI 0,5	
R 123	27 kΩ	0309	1 %	KI 0,5	
R 124	12 kΩ	0309	5 %	KI 2	
R 125	68 Ω	0309	5 %	KI 2	
R 126	180 Ω	0309	1 %	KI 0,5	
R 127	100 Ω	0309	1 %	KI 0,5	

Potentiometer

P 101	47 kΩ lin	1 W			

Kondensatoren (Capacitors)

C 101	39 pF		2 %	Keram.	
C 102	0,1 pF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 103	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 104, 105	82 pF	500 V	10 %	Glimmer	Jahre
C 106, 107	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 108	10 pF		5 %	Keram.	
C 110, 111	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 112	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 113	0,22 µF	100 V	20 %	Kunst.-Folie (plastic foil)	

Transistoren (Transistors)

T 101	BFY 84
T 102, 103	BSX 27
T 104, 105	BFY 90
T 106, 107	DW 7154

Spulen (Coils)

L 101	4,7 µH
L 102...109	27 µH

Übertrager (Transformers)

Ü 101	Bv. 340 - 7753	
Ü 102	Bv. 341 - 7750	

Dioden (Diodes)

GI 101...104	hpa 5082 - 2800	Hewlett-Packard

SCHALTTEILLISTE (Parts List) (2)

18-MHz-Tiefpaß (18 MHz low-pass filter)

Kondensatoren (Capacitors)

C 201	27 pF	400 V	1 %	Keram.	CRL
C 202	10 pF	500 V	± 0,25 pF	Keram.	CRL
C 203	51 pF	400 V	1 %	Keram.	CRL
C 204	22 pF	400 V	2 %	Keram.	CRL
C 205	47 pF	400 V	1 %	Keram.	CRL
C 206	27 pF	400 V	1 %	Keram.	CRL
C 207	43 pF	400 V	1 %	Keram.	CRL
C 208	20 pF	400 V	2 %	Keram.	CRL
C 209	10/40 pF			Trimmer	

Spulen (Coils)

L 202	Bv. 340 - 7888.1
L 203	Bv. 340 - 7889.1
L 204	Bv. 340 - 7890.1
L 205	Bv. 340 - 7890.1

Vorverstärker (Preamplifier)

Widerstände (Resistors)

R 301	22 Ω	0309	5 %	Kl 2	
R 302	285 Ω	0309	1 %	Kl 0,5	
R 303	18 kΩ	0309	5 %	Kl 2	
R 304	68 Ω	0309	5 %	Kl 2	
R 305	2,7 kΩ	0309	5 %	Kl 2	
R 306	56 Ω	0309	5 %	Kl 2	
R 307, 308	33 Ω	0309	1 %	Kl 0,5	
R 309	180 Ω	0309	5 %	Kl 2	
R 310	4,7 kΩ	0309	5 %	Kl 2	
R 311	680 Ω	0309	1 %	Kl 0,5	
R 312	68 Ω	0309	5 %	Kl 2	
R 313	1,5 kΩ	0309	5 %	Kl 2	
R 314	56 Ω	0309	5 %	Kl 2	
R 315	150 Ω	0309	5 %	Kl 2	
R 316	120 Ω	0309	5 %	Kl 2	
R 317	2,2 kΩ	0309	1 %	Kl 0,5	
R 318	68 Ω	0309	5 %	Kl 2	
R 319	1,5 kΩ	0309	1 %	Kl 0,5	
R 320	100 Ω	0309	1 %	Kl 0,5	
R 321	470 Ω	0309	1 %	Kl 0,5	
R 322	820 Ω	0309	1 %	Kl 0,5	
R 323	100 Ω	0309	5 %	Kl 2	
R 324	1 kΩ	0309	5 %	Kl 2	
R 325	68 Ω	0309	5 %	Kl 2	
R 326	2,7 kΩ	0,25 W	5 %	Kl 2	

Potentiometer

P 301	100 Ω lin	0,5 W
P 302	220 Ω lin	0,5 W

Kondensatoren (Capacitors)

C 301	68 µF	3 V	20 %	Elko	
C 302	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 303	100 µF	10 V	20 %	Elko	
C 304	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 305	100 µF	30 V	+75/-20 %	Elko	Ero-Tantal
C 306	4,7 µF	20 V	20 %	Elko	
C 307	6,8 pF		±0,5 pF	Keram.	
C 309, 310	10 nF	40 V	+100/-20 %	Keram.	
C 311	0,5/3 pF		P 100	Trimmer	Stettner

Transistoren (Transistors)

T 301, 302	BFR 37	SGS
T 303...305	2 N 918/BFX 73	

Spulen (Coils)

L 301	10 µH	
L 302	Bv. 340-7877	

SCHALTTEILLISTE (Parts List) (4)

Endverstärker (Final amplifier)

Widerstände (Resistors)

R 401	33 kΩ	0309	5 %	KI 2
R 402	100 kΩ	0309	5 %	KI 2
R 403, 404	100 kΩ	0309	1 %	KI 0,5
R 405	1 kΩ	0309	5 %	KI 2
R 406	68 Ω	0309	5 %	KI 2
R 407	68 kΩ	0309	5 %	KI 2
R 408	1,8 kΩ	0309	5 %	KI 2
R 409	330 kΩ	0309	5 %	KI 2
R 410	39 Ω	0309	5 %	KI 2
R 411	100 kΩ	0309	5 %	KI 2
R 412	2,7 kΩ	0309	1 %	KI 0,5
R 413	330 Ω	0309	5 %	KI 2
R 414	390 Ω	0309	1 %	KI 0,5
R 416	165 Ω	0309	1 %	KI 0,5
R 417	820 Ω	0309	1 %	KI 0,5
R 418	195 Ω	0309	1 %	KI 0,5
R 419	560 Ω	0309	1 %	KI 0,5
R 420, 421	560 Ω	0309	5 %	KI 2
R 422	5,6 kΩ	0309	5 %	KI 2
R 423, 424	10 Ω	0309	5 %	KI 2
R 425, 426	1 MΩ	0414	1 %	KI 0,5
R 428	300 Ω	0309	1 %	KI 0,5
R 429, 430	560 Ω	0309	1 %	KI 0,5
R 431, 432	180 Ω	0309	5 %	KI 2
R 433	82 Ω	0309	5 %	KI 2
R 434, 435	1,2 kΩ	0309	5 %	KI 2
R 436...439	5,6 Ω	0309	5 %	KI 2
R 440	10 Ω	0414	1 %	KI 0,5
R 441	12 Ω	0309	5 %	KI 2
R 442	15 Ω	0309	5 %	KI 2

Potentiometer

P 401	2,2 kΩ lin	1 W
P 402	100 Ω lin	1 W
P 403	22 kΩ lin	0,5 W

Kondensatoren (Capacitors)

C 401	4,7 nF	250 V	10 %	Glimmer	Jahre
C 402	68 nF	250 V	20 %	Kunst.-Folie (plastic foil)	
C 403	1 µF	35 V	20 %	Elko	
C 404	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 405	2 pF		± 0,25 pF	Keram.	
C 406	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 407	33 nF	250 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 409	4,7 µF	35 V	20 %	Elko	
C 410	22 µF	16 V	20 %	Elko	
C 411, 412	3,9 pF		± 0,5 pF	Keram.	
C 413, 414	100 µF	30 V	+ 75/- 20 %	Elko	Ero-Tantal
C 415, 416	10 µF	25 V	20 %	Elko	

Spulen (Coils)

L 401		Bv. 340-7828
L 402	0,22 µH	
L 403	10 µH	
L 404, 405	4,7 µH	
L 406	27 µH	
L 407	27 µH	
L 408, 409	1 µH	

Transistoren (Transistors)

T 401	DW 7154	
T 402, 403	2 N 930/BFX 93	
T 404, 405	BFR 37	SGS
T 406	BFY 90	
T 407	2 N 4261	
T 408	2 N 3960	
T 409	2 N 2369/BSX 93	
T 410	2 N 3209	

Stecker (Plug)

St 401	WN 119/8/1

SCHALTTEILLISTE (Parts List) (5)

Differenzverstärker (Differential amplifier)

Widerstände (Resistors)

R 502	1 MΩ	0414	1 %	Kl 0,5
R 503	390 kΩ	0309	5 %	Kl 1
R 504, 505	39 kΩ	0309	1 %	Kl 0,5
R 506	47 kΩ	0309	1 %	Kl 0,5
R 507	3,9 kΩ	0309	5 %	Kl 2
R 508	150 Ω	0309	5 %	Kl 2
R 509	15 kΩ	0309	1 %	Kl 0,5
R 510	39 kΩ	0309	1 %	Kl 0,5
R 511	1 MΩ	0414	1 %	Kl 0,5
R 516	3,9 kΩ	0309	5 %	Kl 2
R 517	10 kΩ	0309	5 %	Kl 2
R 518	1 MΩ	0309	5 %	Kl 2
R 519	3,9 kΩ	0309	5 %	Kl 2
R 520	1 MΩ	0309	5 %	Kl 2
R 521	47 Ω	0309	5 %	Kl 2
R 522	5,6 kΩ	0309	5 %	Kl 2
R 523	1,8 kΩ	0309	5 %	Kl 2
R 524	100 kΩ	0309	5 %	Kl 2
R 525	820 kΩ	0309	5 %	Kl 2
R 526	47 kΩ	0309	5 %	Kl 2
R 527	1 MΩ	0309	5 %	Kl 2
R 528	1,2 kΩ	0309	5 %	Kl 2
R 529	5,6 kΩ	0309	5 %	Kl 2
R 530	6,8 kΩ	0309	5 %	Kl 2
R 531	18 kΩ	0309	5 %	Kl 2
R 532	56 Ω	0309	5 %	Kl 2
R 533	1,2 kΩ	0309	5 %	Kl 2
R 534	56 Ω	0309	5 %	Kl 2
R 537	560 Ω	0309	5 %	Kl 2
R 538	120 Ω	0309	5 %	Kl 2
R 539	1 kΩ	0309	5 %	Kl 2
R 540	560 Ω	0309	5 %	Kl 2

Potentiometer

P 501	500 Ω	1 W	10 %

Kondensatoren (Capacitors)

C 501	22 µF	16 V	20 %	
C 502	120 pF	160 V	2 %	Kunst.-Folie (plastic foil)
C 503	0,47 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 504	120 pF	160 V	2 %	Kunst.-Folie (plastic foil)
C 505	0,47 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 506	33 µF	10 V	20 %	Elko
C 507, 508	22 µF	16 V	20 %	Elko
C 509, 510	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 511	22 nF	400 V	20 %	Kunst.-Folie (plastic foil) Ero
C 512	10 nF	630 V	20 %	Kunst.-Folie (plastic foil) Ero
C 513	10 µF	25 V	20 %	Elko
C 514	1 µF	100 V	10 %	

Dioden (Diodes)

GI 501, 502	1 N 4448
GI 503, 504	BAY 72
GI 507	1 N 4448

Transistoren (Transistors)

T 501	BFY 81
T 502	BCY 59 D
T 504...506	BCY 59 D

Integrierter Schaltkreis (Integrated circuit)

IC 501	µA 741 C

Ausgangsschaltung (Output circuit)

Widerstände (Resistors)

R 601	237 Ω	0414	0,5 %	Kl 0,5	
R 602	109,8 Ω	0414	0,5 %	Kl 0,5	
R 603	50 Ω	0809	0,1 %	150 mW	Metallschicht (met. film) RIG
R 604	50 Ω	0414	0,5 %	Kl 0,5	
R 605	23,7 Ω	0207	0,5 %		Metallschicht (met. film)
R 606	12,1Ω	0207	0,5 %		Metallschicht (met. film)
R 607	10 Ω	0207	0,5 %		Metallschicht (met. film)
R 608	15 Ω	0207	0,5 %		Metallschicht (met. film)
R 609	24,9 Ω	0207	0,5 %		Metallschicht (met. film)
R 610	74,1 Ω	0207	0,5 %		Metallschicht (met. film)
R 611	84,5 Ω	0207	0,5 %		Metallschicht (met. film)
R 612	100 Ω	0207	0,5 %		Metallschicht (met. film)
R 613	33 Ω	0309	5 %	Kl 2	
R 615	71,5 Ω	0207	0,5 %		Metallschicht (met. film)
R 616...618	33 Ω	0309	5 %	Kl 2	
R 619	22 Ω	0309	5 %	Kl 2	
R 620	47 Ω	0309	5 %	Kl 2	
R 621	6,8 kΩ	0309	5 %	Kl 2	
R 622	100 Ω	0309	5 %	Kl 2	
R 623	470 Ω	0414	5 %	Kl 2	

Kondensatoren (Capacitors)

C 601, 602	0,22 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 603, 604	10/40 pF			Trimmer
C 605	47 pF		2 %	Keram.
C 606	10/40 pF			Trimmer
C 607	4/20 pF			Trimmer
C 608	3/10 pF			Trimmer
C 609	180 pF	160 V	2 %	Kunst.-Folie (plastic foil)
C 610	2 pF		± 0,25 pF	Keram.
C 611...617	4,7 nF	350 V	+80/-20 %	Keram. Resista
C 618	12 pF		5 %	Keram.
C 625	270 pF	160 V	2 %	Kunst.-Folie (plastic foil)
C 626	6,8 µF	63 V	20 %	Kunst.-Folie (plastic foil) Siemens
C 627	33 pF		2 %	Keram.
C 628	10/40 pF			Trimmer
C 629	33 pF		2 %	Keram.

Spulen (Coils)

L 601		Bv. 340 - 7880
L 602		Bv. 340 - 7893
L 603		Bv. 340 - 7884
L 604		Bv. 340 - 7881
L 605		Bv. 340 - 7882
L 606		Bv. 340 - 7883
L 607		Bv. 340 - 7884
L 608		Bv. 340 - 7895
L 610	2,2 µH	

Potentiometer			
P 601...603	100 Ω lin	0,5 W	
P 604	100 Ω lin	1 W	
Dioden (Diodes)			
GI 601, 602		hpa 5082 - 2800	Hewlett-Packard 1)
GI 603		1 N 914/1 N 4448	
Übertrager (Transformers)			
Ü 601		Bv. 340 - 7740.1	
Ü 602		Bv. 340 - 7743.1	
Ü 603		Bv. 340 - 7736	
Ü 604		Bv. 340 - 7738	
Ü 605		Bv. 340 - 7744	
Ü 606		Bv. 340 - 7741	
Ü 607		Bv. 340 - 7754	
Ü 608		Bv. 340 - 7746	
Relais (Relays)			
Rel 601...606		Bv. 340 - 8201	
Buchsen (Sockets)			
Bu 601		II WN 119/8/1	
Bu 602	5polig	WN 119/7/2	
Bu 603		II WN 119/8/1	
Bu 604		Uni 9 B WN 119/9/4	
Bu 606		Uni 9 D WN 119/9/4	
Bu 607		WN 119/1/5	
Bu 608	10polig		Hirschmann
Stecker (Plugs)			
St 601		WN 119/8/1	
St 602	5polig	2 WN 119/7/2	
St 603		WN 119/8/1	
St 604		WN 119/8/1	
St 605	10polig		Hirschmann
Schalter (Switches)			
S 601		Bv. 340 - 8007	
S 602		Bv. 340 - 8002	
Ma 601	Magnet	FXD 100	Valvo
Relais (Relays)			
rel 607, 608	Reed-Kontakt	WN 118/3/3	

1) ausgesucht nach (selected according to) Bv. 340 - 9360

50-kHz-Teil (50 kHz circuit)

Widerstände (Resistors)

R 701	120 Ω	0309	5 %	KI 2	
R 702	47 Ω	0309	5 %	KI 2	
R 703	100 Ω	0309	5 %	KI 2	
R 704	560 kΩ	0309	5 %	KI 2	
R 705	27 kΩ	0309	5 %	KI 2	
R 706	150 Ω	0309	5 %	KI 2	
R 707	15 kΩ	0309	5 %	KI 2	
R 708	4,7 kΩ	0309	5 %	KI 2	
R 709	6,8 kΩ	0309	5 %	KI 2	
R 710, 711	18 kΩ	0309	5 %	KI 2	
R 712	6,8 kΩ	0309	5 %	KI 2	
R 713	12 kΩ	0309	5 %	KI 2	
R 714	270 Ω	0309	5 %	KI 2	
R 715	27 kΩ	0309	5 %	KI 2	
R 716, 717	6,8 kΩ	0309	5 %	KI 2	
R 718, 719	56 kΩ	0309	5 %	KI 2	
R 720	10 Ω	0309	5 %	KI 2	
R 721	1,8 kΩ	0309	5 %	KI 2	
R 722	27 kΩ	0309	5 %	KI 2	
R 723	68 kΩ	0309	5 %	KI 2	
R 724	22 Ω	0309	5 %	KI 2	
R 727	39 Ω	0309	5 %	KI 2	
R 728	15 kΩ	0309	5 %	KI 2	
R 729	8,2 kΩ	0309	5 %	KI 2	
R 730	2,21 kΩ	0207	1 %	TK 25	Metallschicht (met. film) Stemag
R 731	1,11 kΩ	0207	1 %	TK 25	Metallschicht (met. film) Stemag
R 732	2,1 kΩ	0207	2 %	TK 25	Metallschicht (met. film) Stemag
R 733	3,32 kΩ	0207	1 %	TK 25	Metallschicht (met. film) Stemag
R 734	8,2 kΩ	0309	5 %	KI 2	
R 735	47 kΩ	0309	5 %	KI 2	
R 736	33 kΩ	0309	5 %	KI 2	
R 737	2,7 kΩ	0414	1 %	KI 0,5	
R 741	220 Ω	0309	5 %	KI 2	
R 742	6,8 kΩ	0309	5 %	KI 2	
R 743	39 kΩ	0309	5 %	KI 2	
R 744	2,2 kΩ	0309	5 %	KI 2	
R 745	220 Ω	0309	5 %	KI 2	
R 746	6,8 kΩ	0309	5 %	KI 2	
R 747	39 kΩ	0309	5 %	KI 2	
R 749	220 Ω	0309	5 %	KI 2	
R 750	6,8 kΩ	0309	5 %	KI 2	

R 751	39 kΩ	0309	5 %	Kl 2	
R 753	220 Ω	0309	5 %	Kl 2	
R 754	6,8 kΩ	0309	5 %	Kl 2	
R 755	39 kΩ	0309	5 %	Kl 2	
R 757	220 Ω	0309	5 %	Kl 2	
R 758	6,8 kΩ	0309	5 %	Kl 2	
R 759	39 kΩ	0309	5 %	Kl 2	
R 761	220 Ω	0309	5 %	Kl 2	
R 762	3,3 MΩ	0309	5 %	Kl 2	
R 763, 764	6,8 kΩ	0309	5 %	Kl 2	
R 765	12 kΩ	0309	5 %	Kl 2	
R 766	560 Ω	0309	5 %	Kl 2	
R 767	27 kΩ	0309	5 %	Kl 2	
R 768	100 kΩ	0309	5 %	Kl 2	
R 770	10 kΩ	0309	5 %	Kl 2	
R 771, 772	68 Ω	0309	5 %	Kl 2	
R 773	3,3 kΩ	0309	5 %	Kl 2	

Potentiometer

P 701	2,2 kΩ lin	1 W			
P 702	470 Ω lin	1 W			
P 703	10 kΩ lin	3 W	3 %	Draht (wire)	Amphenol/Borg
P 704	4,7 kΩ lin	1 W			
P 705...707	1 kΩ lin	1 W	10 %		

Kondensatoren (Capacitors)

C 701, 702	22 µF	16 V	20 %	Elko	
C 703	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 704	1,5 nF	400 V	+50/- 20 %	Keram.	Valvo
C 705	22 µF	16 V	20 %	Elko	
C 706	18,7 nF	63 V	1 %	Kunst.-Folie (plastic foil)	
C 707	22 µF	16 V	20 %	Elko	
C 708	2,2 µF	63 V	20 %	Kunst.-Folie (plastic foil)	Siemens
C 709	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 710	22 µF	16 V	20 %	Elko	
C 711	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 712	1,8 nF	63 V	1 %	Kunst.-Folie (plastic foil)	Schümann
C 713	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 714	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 715	2,2 µF	63 V	20 %	Kunst.-Folie (plastic foil)	Siemens
C 716	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 717	2,2 µF	63 V	20 %	Kunst.-Folie (plastic foil)	Siemens
C 721	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 723	22 µF	16 V	20 %	Elko	
C 724	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 725	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	
C 727	4,7 µF	20 V	20 %	Elko	
C 728	0,22 µF	100 V	20 %	Kunst.-Folie (plastic foil)	

C 730...733	0,22 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 734...738	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 739	4,7 µF	63 V	20 %	Kunst.-Folie (plastic foil)	Siemens
C 740...742	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 746	220 pF	160 V	2 %	Kunst.-Folie (plastic foil)	

Dioden (Diodes)

Gl 701...703	1 N 914/1 N 4448	
Gl 704	M - CR 2222	SGS
Gl 710...712	1 N 914/1 N 4448	

Transistoren (Transistors)

T 701	2 N 930 / BFX 93
T 702...705	BCY 59 D
T 706	DW 7154
T 707...709	BCY 59 D
T 710	BFY 81
T 712	DW 7154
T 713	BCY 59 D
T 714	DW 7154
T 715	BCY 59 D
T 716	DW 7154
T 717	BCY 59 D
T 718	DW 7154
T 719	BCY 59 D
T 720	DW 7154
T 721...723	BCY 59 D
T 724	2 N 708
T 725	2 N 930/BFX 93
T 726	DW 7154

Stecker (Plug)

St 701	24polig	WN 119/5/5

Buchsen (Sockets)

Bu 701	24polig	WN 119/5/5
Bu 702		II WN 119/8/1

Übertrager (Transformers)

Ü 701	Bv. 340 - 7727
Ü 702	Bv. 340 - 7733
Ü 703	Bv. 340 - 7728

Spulen (Coils)

L 701		Bv. 340 - 7829	
L 702	10 mH	No. 2500 - 76	Delevan

Schalter (Switch)

S 701	Bv. 341 - 8009

Träger-Fremdsteuerung (Carrier-synchronous tuning)

Widerstände (Resistors)

R 801	82 Ω	0309	5 %	Kl 2
R 802	3,3 kΩ	0309	5 %	Kl 2
R 803	390 Ω	0309	5 %	Kl 2
R 804	5,6 kΩ	0309	5 %	Kl 2
R 805	3,9 kΩ	0309	5 %	Kl 2
R 806	120 Ω	0309	5 %	Kl 2
R 807	68 Ω	0309	5 %	Kl 2
R 808	470 Ω	0309	5 %	Kl 2
R 809	56 Ω	0309	5 %	Kl 2
R 810	100 Ω	0309	5 %	Kl 2
R 812	22 Ω	0309	5 %	Kl 2

Kondensatoren (Capacitors)

C 801	4,7 nF	500 V	+50/-20 %	Keram.	
C 802, 803	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 804	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 805	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 806	47 pF		2 %	Keram.	
C 807	1 nF		+ 80/-20 %	Keram.	
C 808	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 809	150 pF		2 %	Keram.	
C 810	2,5/6 pF			Trimmer	Stettner
C 811	5 pF	500 V	± 0,25 pF	Keram.	
C 812	140 pF	500 V	5 %	Glimmer	Jahre
C 813	75 pF	500 V	5 %	Glimmer	Jahre
C 814	13 pF	500 V	10 %	Glimmer	Jahre
C 815	140 pF	500 V	5 %	Glimmer	Jahre

Transistoren (Transistors)

T 801, 802	2 N 918/BFX 73

Übertrager (Transformers)

Ü 801	Bv. 340-7747.2
Ü 802	Bv. 340-7755

Relais (Relay)

Rel 801	EMC 22 C 1 S 3 S - 4	Schaltbau

Spulen (Coils)

L 802...804	27 µH
L 805	3,3 µH
L 806	27 µH
L 808	Bv. 340-7826.11
L 809	Bv. 340-7826.12
L 810	Bv. 340-7826.13
L 811	Bv. 340-7826.11

Buchse (Socket)

Bu 801	Bv. 340-0420.10/5 Serie (Series) R,S: Bv. 340-0420.06/5

24-MHz-Tiefpaß (24 MHz low-pass filter)

Kondensatoren (Capacitors)

C 901	112 pF	400 V	2 %	Keram.	Valvo
C 902	144 pF	400 V	2 %	Keram.	Valvo
C 903	143 pF	400 V	2 %	Keram.	Valvo
C 904	130 pF	400 V	2 %	Keram.	Valvo
C 905	47 pF	V	2 %	Keram.	

Spulen (Coils)

L 901	Bv. 340 - 7896
L 902	Bv. 340 - 7897
L 903	Bv. 340 - 7898
L 904	Bv. 340 - 7899

24-MHz-Regelverstärker (24 MHz control amplifier)

Widerstände (Resistors)

R 1001	1,2 kΩ	0309	5 %	KI 2	
R 1002	4,7 kΩ	0309	5 %	KI 2	
R 1003	100 kΩ	0309	5 %	KI 2	
R 1004	1,2 kΩ	0309	5 %	KI 2	
R 1005	68 Ω	0309	5 %	KI 2	
R 1006	100 Ω	0309	5 %	KI 2	
R 1007	470 Ω	0309	5 %	KI 2	
R 1008	2,7 kΩ	0309	5 %	KI 2	
R 1009, 1010	68 Ω	0309	5 %	KI 2	
R 1011	1,2 kΩ	0309	5 %	KI 2	
R 1012	33 Ω	0309	5 %	KI 2	
R 1013	12 kΩ	0309	5 %	KI 2	
R 1014	47 kΩ	0309	5 %	KI 2	
R 1015	82 kΩ	0309	5 %	KI 2	
R 1016	100 Ω	0309	5 %	KI 2	
R 1017	820 Ω	0309	5 %	KI 2	
R 1018	1 kΩ	0309	5 %	KI 2	
R 1019	68 Ω	0309	5 %	KI 2	
R 1020	22 Ω	0309	5 %	KI 2	
R 1021	75 Ω	0414	1 %	KI 0,5	
R 1022	820 Ω	0309	5 %	KI 2	
R 1023...1025	10 Ω	0309	5 %	KI 2	
R 1026	820 Ω	0309	5 %	KI 2	
R 1027, 1028	1 kΩ	0309	5 %	KI 2	
R 1029	560 kΩ	0309	5 %	KI 2	
R 1030	100 Ω	0309	5 %	KI 2	
R 1031	33 kΩ	0309	5 %	KI 2	

Potentiometer

P 1001	10 kΩ lin	1 W	
P 1002	470 kΩ lin	1 W	
P 1003	470 Ω lin	0,5 W	Stemag
P 1004	5 kΩ lin	1 W	

Kondensatoren (Capacitors)

C 1001...1004	1 nF		+80/-20 %	Keram.	
C 1005	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1006	18 pF		5 %	Keram.	
C 1007	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 1008	4/20 pF			Trimmer	
C 1009	1 nF		+ 80/-20 %	Keram.	
C 1010	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	Ero

C 1011	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1012	1 nF		+ 80/-20 %	Keram.
C 1013	100 pF		2 %	Keram.
C 1014	22 nF	16 V	20 %	Elko
C 1015	1 nF		+80/-20 %	Keram.
C 1016	22 µF	16 V	20 %	Elko
C 1017...1020	4,7 nF	350 V	+80/-20 %	Keram.

Spulen (Coils)

L 1001	1 µH		
L 1002	27 µH		
L 1003	30 µH	B 82111-A-C 6	Siemens
L 1004, 1005	27 µH		

Dioden (Diodes)

Gl 1001, 1002	1 N 914/1 N 4448

Transistoren (Transistors)

T 1001...1003	2 N 918/BFX 73
T 1004	BCY 59 D
T 1005	BSX 27
T 1006	2 N 2784

Buchse (Socket)

Bu 1001	2polig	2 WN 119/1/8

Schalter (Switch)

S 1001	2 x u	enthalten (contained) in Bu 1001

1-MHz-Oszillator und Impulsformer
(1 MHz oscillator and pulse shaper)

R 1101	1 kΩ	0309	5 %	Kl 2
R 1102	68 kΩ	0309	5 %	Kl 2
R 1103	47 kΩ	0309	5 %	Kl 2
R 1104	150 Ω	0309	5 %	Kl 2
R 1106	12 kΩ	0309	5 %	Kl 2
R 1107	100 Ω	0309	5 %	Kl 2
R 1108	12 kΩ	0309	5 %	Kl 2
R 1109	68 kΩ	0309	5 %	Kl 2
R 1110	47 kΩ	0309	5 %	Kl 2
R 1111	22 kΩ	0309	5 %	Kl 2
R 1112	2,2 kΩ	0309	5 %	Kl 2
R 1113	10 kΩ	0309	5 %	Kl 2
R 1114	4,7 kΩ	0309	5 %	Kl 2
R 1115	5,6 kΩ	0309	5 %	Kl 2
R 1116	1 kΩ	0309	5 %	Kl 2
R 1118	1 kΩ	0309	5 %	Kl 2
R 1119	3,3 kΩ	0309	5 %	Kl 2
R 1120	56 Ω	0309	5 %	Kl 2

Kondensatoren (Capacitors)

C 1101	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1102	2,25/30,5 pF			Trimmer
C 1103	13 pF	400 V	5 %	Keram. Valvo
C 1104	2,2 µF	20 V	20 %	Elko
C 1105, 1106	430 pF	250 V	1 %	Glimmer Jahre
C 1107	0,1 µF	100 V	20 %	
C 1109	1,27 nF	63 V	2 %	Kunst.-Folie (plastic foil)
C 1110	0,22 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1111	220 pF	125 V	2,5 %	Kunst.-Folie (plastic foil)
C 1112	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1113	12 pF		5 %	Keram.
C 1114	22 pF		2 %	Keram.
C 1115	22 pF		2 %	Keram.

Spule (Coil)

L 1102 220 µH

Übertrager (Transformer)

Ü 1101 Bv. 341 - 7737

Transistoren (Transistors)

T 1101...1104	2 N 708 / BSX 88
T 1105	BSX 29
T 1106	2 N 708 / BSX 88
T 1107	BSX 29
T 1108	2 N 708 / BSX 88

Quarz (Quartz crystal)

Q 1101	wahlweise	nach Bv. 341-9701 oder Bv. 341-9703	Quarzkeramik Siemens

SCHALTTEILLISTE (Parts List) (12)

Interpolationsoszillator (Interpolation oscillator)

Widerstände (Resistors)

R 1201	15 kΩ	0309	5 %	Kl 2
R 1202, 1203	22 kΩ	0309	5 %	Kl 2
R 1204	680 Ω	0309	5 %	Kl 2
R 1205	1,8 kΩ	0309	5 %	Kl 2
R 1206	220 Ω	0309	5 %	Kl 2
R 1207	39 Ω	0309	5 %	Kl 2
R 1208	100 Ω	0309	5 %	Kl 2
R 1209	12 kΩ	0309	5 %	Kl 2
R 1210	27 kΩ	0309	5 %	Kl 2

Kondensatoren (Capacitors)

C 1201				Bv. 341 - 9302
C 1202	1,75/15,5 pF			Trimmer
C 1203	10 µF	16 V	20 %	Elko
C 1205	120 pF		2 %	Keram.
C 1206	3,9 nF	63 V	5 %	Kunst.-Folie (plastic foil)
C 1207	180 pF		2 %	Keram.
C 1208	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1209	100 pF		2 %	Keram.
C 1210	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1211...1213	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero

Spulen (Coils)

L 1201			Bv. 341-7895.1
L 1202	33 µH		
L 1203, 1204		Dämpfungsperlen (Attenuator beads)	Valvo

Transistoren (Transistors)

T 1201	2 N 708 /BSX 88
T 1202	2 N 3546
T 1203	2 N 708/BSX 88

Stecker (Plugs)

St 1201	WN 119/8/1
St 1202	WN 119/8/1

Buchsen (Sockets)

Bu 1201	2 WN 119/8/1
Bu 1202	UNI 9 B WN 119/9/4

Festfrequenzoszillatoren (Pilot frequency oscillators)

Widerstände (Resistors)

R 1301	100 Ω	0309	5 %	KI 2
R 1302	27 kΩ	0309	5 %	KI 2
R 1303	10 kΩ	0309	5 %	KI 2
R 1304	100 Ω	0309	5 %	KI 2
R 1305	3,3 kΩ	0309	5 %	KI 2
R 1306	100 Ω	0309	5 %	KI 2
R 1307	27 kΩ	0309	5 %	KI 2
R 1308	10 kΩ	0309	5 %	KI 2
R 1309	100 Ω	0309	5 %	KI 2
R 1310	3,3 kΩ	0309	5 %	KI 2
R 1311	100 Ω	0309	5 %	KI 2
R 1312	27 kΩ	0309	5 %	KI 2
R 1313	10 kΩ	0309	5 %	KI 2
R 1314	100 Ω	0309	5 %	KI 2
R 1315	3,3 kΩ	0309	5 %	KI 2
R 1316, 1317	2,7 kΩ	0309	5 %	KI 2
R 1318	68 Ω	0309	5 %	KI 2
R 1319	27 kΩ	0309	5 %	KI 2
R 1320	10 kΩ	0309	5 %	KI 2

Kondensatoren (Capacitors)

C 1301	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1302	330 pF	250 V	10 %	Glimmer Jahre
C 1303	10/40 pF			Trimmer
C 1304	Abgleichwert (Alignment value)			Keram.
C 1305	10/40 pF			Trimmer
C 1306	100 pF	250 V	5 %	Glimmer Jahre
C 1307	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1308	330 pF	250 V	10 %	Glimmer Jahre
C 1309	10/40 pF			Trimmer
C 1310	Abgleichwert (Alignment value)			Keram.
C 1311	10/40 pF			Trimmer
C 1312	100 pF	250 V	5 %	Glimmer Jahre
C 1313	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1314	330 pF	250 V	10 %	Glimmer Jahre
C 1315	10/40pF			Trimmer
C 1316	Abgleichwert (Alignment value)			Keram.
C 1317	10/40 pF			Trimmer
C 1318	100 pF	250 V	5 %	Glimmer Jahre
C 1319, 1320	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)

Dioden (Diodes)

GI 1301...1303	1 N 914/1 N 4448

Transistoren (Transistors)

T 1301...1303	BSX 27
T 1304	BSX 93/2 N 2369

Quarz (Quartz crystal)

Q 1301...1303	wird nach Kundenwunsch festgelegt (as required)

Rastoszillator (Phase-locked oscillator)

Widerstände (Resistors)

R 1401	4,7 kΩ	0309	1 %	KI 0,5
R 1402	1,8 kΩ	0309	1 %	KI 0,5
R 1403	330 Ω	0309	5 %	KI 2
R 1404	470 Ω	0309	5 %	KI 2
R 1405	33 kΩ	0309	5 %	KI 2
R 1406	220 Ω	0309	5 %	KI 2
R 1407, 1408	1 kΩ	0309	5 %	KI 2
R 1409	2,2	0309	1 %	KI 0,5
R 1410	100 Ω	0309	5 %	KI 2
R 1411	8,2 kΩ	0309	5 %	KI 2
R 1412	680 Ω	0309	5 %	KI 2
R 1415	18 kΩ	0309	1 %	KI 0,5
R 1416	100 Ω	0309	5 %	KI 2
R 1417	680 Ω	0309	5 %	KI 2
R 1418	12 kΩ	0309	1 %	KI 0,5
R 1419	8,2 kΩ	0309	5 %	KI 2
R 1420	270 Ω	0309	5 %	KI 2
R 1421	820 Ω	0309	5 %	KI 2
R 1422	6,8 kΩ	0309	1 %	KI 0,5
R 1423	47 Ω	0309	5 %	KI 2
R 1424	1 kΩ	0309	5 %	KI 2
R 1425	10 kΩ	0309	5 %	KI 2
R 1426	47 Ω	0309	5 %	KI 2
R 1427	8,2 kΩ	0309	5 %	KI 2
R 1428	82 Ω	0309	5 %	KI 2
R 1429	10 kΩ	0309	5 %	KI 2
R 1430	6,8 kΩ	0309	5 %	KI 2
R 1431	22 kΩ	0309	5 %	KI 2
R 1432	220 kΩ	0309	5 %	KI 2
R 1433	1 kΩ	0309	5 %	KI 2
R 1434	10 kΩ	0309	5 %	KI 2
R 1435	6,8 kΩ	0309	5 %	KI 2
R 1436	22 kΩ	0309	5 %	KI 2
R 1437	82 Ω	0309	5 %	KI 2
R 1438	8,2 kΩ	0309	5 %	KI 2
R 1439	1 kΩ	0309	5 %	KI 2
R 1440	10 kΩ	0309	5 %	KI 2
R 1441	47 Ω	0309	5 %	KI 2
R 1442	10 kΩ	0309	5 %	KI 2
R 1443	1 kΩ	0309	5 %	KI 2
R 1444	10 kΩ	0309	5 %	KI 2
R 1445	47 Ω	0309	5 %	KI 2
R 1446	8,2 kΩ	0309	5 %	KI 2
R 1447	82 Ω	0309	5 %	KI 2

R 1448	10 kΩ	0309	5 %	Kl 2
R 1449	6,8 kΩ	0309	5 %	Kl 2
R 1450	22 kΩ	0309	5 %	Kl 2
R 1451	1 kΩ	0309	5 %	Kl 2
R 1452	10 kΩ	0309	5 %	Kl 2
R 1453	6,8 kΩ	0309	5 %	Kl 2
R 1454	22 kΩ	0309	5 %	Kl 2
R 1455	82 Ω	0309	5 %	Kl 2
R 1456	1 kΩ	0309	5 %	Kl 2
R 1457	10 kΩ	0309	5 %	Kl 2
R 1458	8,2 kΩ	0309	5 %	Kl 2
R 1459	47 Ω	0309	5 %	Kl 2
R 1461	4,7 kΩ	0309	1 %	Kl 0,5
R 1462	100 Ω	0309	5 %	Kl 2
R 1463	820 Ω	0309	5 %	Kl 2
R 1464...1470	10 Ω	0309	5 %	Kl 2
R 1471	470 Ω	0309	5 %	Kl 2
R 1472	12 kΩ	0309	1 %	Kl 0,5
R 1473	270 Ω	0309	5 %	Kl 2
R 1474	10 kΩ	0309	1 %	Kl 0,5
R 1475	470 Ω	0309	5 %	Kl 2
R 1476	10 Ω	0309	5 %	Kl 2
R 1477	180 Ω	0309	5 %	Kl 2

Kondensatoren (Capacitors)

C 1401, 1402	10 nF	630 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1403	12 pF		5 %	Keram.
C 1404, 1405	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1406	100 pF		2 %	Keram.
C 1407	4,7 µF	20 V	20 %	Elko
C 1408, 1409	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1410	0,47 µF	100 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1411	4,7 µF	20 V	20 %	Elko
C 1412	100 pF		2 %	Keram.
C 1413	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)
C 1415	470 pF	250 V	10 %	Glimmer Jahre
C 1416	100 pF		2 %	Keram.
C 1417	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1418	22 µF	16 V	20 %	Elko
C 1419, 1420	10 nF	630 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1421	1 nF		+80/- 20 %	Keram.
C 1422	22 µF	16 V	20 %	Elko
C 1423	10 nF	630 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1424	3,3 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1425	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)
C 1426	1 nF		+80/- 20 %	Keram.
C 1427	270 pF	250 V	10 %	Glimmer
C 1428	10 nF	630 V	20 %	Kunst.-Folie (plastic foil) Ero
C 1429	470 pF	250 V	10 %	Glimmer Jahre

C 1430	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1431	22 µF	16 V	20 %	Elko
C 1432	470 pF	250 V	10 %	Glimmer Jahre
C 1433	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1434	22 µF	16 V	20 %	Elko
C 1435	39 pF		2 %	Keram.
C 1436, 1437	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)
C 1438	1 nF		+ 80/- 20 %	Keram.
C 1439	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)
C 1440	22 µF	16 V	20 %	Elko
C 1442	10 nF	630 V	20 %	Kunst- Folie (plastic foil)
C 1443	1 nF		+ 80/- 20 %	Keram.
C 1444	68 pF		2 %	Keram.
C 1445	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)
C 1446	470 pF	250 V	10 %	Glimmer Jahre
C 1447, 1448	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1449	1 nF		+ 80/-20 %	Keram.
C 1450...1455	4,7 nF	350 V	+ 80/- 20 %	Keram.
C 1456	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1457	22 µF	16 V	20 %	Elko
C 1458, 1459	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1460	4,7 nF	350 V	+ 80/- 20 %	Keram.
C 1461, 1462	1 nF		+ 80/- 20 %	
C 1463	4,7 nF	350 V	+ 80/- 20 %	

Übertrager (Transformer)

Ü 1401	B v. 341-7727

Dioden (Diodes)

Gl 1401...1404	DGA 5
Gl 1406	HP 5082-2811 Hewlett-Packard
Gl 1407	BB 103 grün Siemens
Gl 1408	1 N 914/1 N 4448
Gl 1409	BB 104 blau Siemens
Gl 1410, 1411	1 N 914/1 N 4448
Gl 1412, 1413	BB 103 grün Siemens
Gl 1414	1 N 914/1 N 4448
Gl 1415	BB 104 blau Siemens
Gl 1416	1 N 914/1 N 4448
Gl 1417	BB 103 grün Siemens
Gl 1418	HP 5082-2800
Gl 1419...1422	1 N 4448 1)

Transistoren (Transistors)

T 1401	BSX 29
T 1402	BFX 59
T 1403, 1404	BCY 59 D
T 1405	BSX 29
T 1406	2 N 2784
T 1407...1410	BSX 27
T 1411	BFX 48

1) Ab Serie S (commencing with series S)

Spulen (Coils)

L 1401	2 µH/2 A	B 82111-A-C 2	Siemens
L 1402	30 µH/0,3 A	B 82111-A-C 6	Siemens
L 1403	2 µH/2 A	B 82111-A-C 2	Siemens
L 1404		Bv. 341 - 7884.1	
L 1405		Bv. 341 - 7898.1	
L 1406		Bv. 341 - 7882.1	
L 1407		Bv. 341 - 7881.1	
L 1412	3,3 µH		

Ringkerne (Ferrite beads)

12 x B 64290-A-0078-X 033 Siemens

Interpolationsmischer mit Trennstufe
(Interpolation mixer and buffer)

Widerstände (Resistors)

R 1501	680 Ω	0309	5 %	Kl 2
R 1502	1,5 kΩ	0309	5 %	Kl 2
R 1503	470 Ω	0309	5 %	Kl 2
R 1504	1 kΩ	0309	5 %	Kl 2
R 1505	180 Ω	0309	5 %	Kl 2
R 1507	150 kΩ	0309	5 %	Kl 2
R 1508	68 kΩ	0309	5 %	Kl 2
R 1509	1 kΩ	0309	5 %	Kl 2
R 1510	470 Ω	0309	5 %	Kl 2
R 1511	180 Ω	0309	5 %	Kl 2
R 1512	12 kΩ	0309	5 %	Kl 2
R 1513	150 kΩ	0309	5 %	Kl 2
R 1514	68 Ω	0309	5 %	Kl 2
R 1515	22 Ω	0309	5 %	Kl 2
R 1516	150 Ω	0309	5 %	Kl 2
R 1517	100 Ω	0309	5 %	Kl 2
R 1518	330 Ω	0309	5 %	Kl 2
R 1519, 1520	68 Ω	0309	5 %	Kl 2
R 1521	2,2 kΩ	0309	5 %	Kl 2
R 1522, 1523	68 Ω	0309	5 %	Kl 2
R 1524	150 Ω	0309	5 %	Kl 2
R 1525	68 kΩ	0309	5 %	Kl 2
R 1526	47 kΩ	0309	5 %	Kl 2
R 1527	100 Ω	0309	5 %	Kl 2
R 1528	10 kΩ	0309	5 %	Kl 2
R 1529	3,3 kΩ	0309	5 %	Kl 2
R 1530	4,7 kΩ	0309	5 %	Kl 2
R 1531	2,2 kΩ	0309	5 %	Kl 2
R 1532	5,6 kΩ	0309	5 %	Kl 2
R 1533	1 kΩ	0309	5 %	Kl 2
R 1534	3,3 kΩ	0309	5 %	Kl 2
R 1535	100 Ω	0309	5 %	Kl 2
R 1536	10 kΩ	0309	5 %	Kl 2
R 1537	220 Ω	0309	5 %	Kl 2
R 1538	47 kΩ	0309	5 %	Kl 2
R 1539	22 kΩ	0309	5 %	Kl 2
R 1540	10 Ω	0309	5 %	Kl 2

Kondensatoren (Capacitors)

C 1501	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1503, 1504	3,9 nF	300 V	10 %	Glimmer	Jahre
C 1507	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1508	47 pF		2 %	Keram.	
C 1509	33 pF		2 %	Keram.	

C 1510, 1511	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1512	1 nF		+ 80/- 20 %	Keram.	
C 1513	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1514	130 pF	250 V	± 2 pF	Glimmer	Jahre
C 1515	27 pF	500 V	1 %	Keram.	RIG
C 1516	1 nF	500 V	+ 80/- 20 %	Keram.	
C 1517	277 pF	300 V	2 %	Glimmer	Jahre
C 1518	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1519	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1520	4,7 nF	350 V	+ 80/- 20 %	Keram.	
C 1521...1524	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1525	100 pF		2 %	Keram.	
C 1526	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1527	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1528	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 1529	10 nF	40 V	+100/-20 %	Keram.	

Spulen (Coils)

L 1502		Bv. 341 - 7889
L 1504	27 µH	
L 1505		Bv. 341 - 7843
L 1506		Bv. 341 - 7847

Übertrager (Transformers)

Ü 1501	Bv. 341 - 7745
Ü 1502	Bv. 341 - 7748
Ü 1503	Bv. 341 - 7750

Transistoren (Transistors)

T 1501	2 N 918 / BFX 73
T 1502	DW 7154
T 1503	BSX 27
T 1504	DW 7154
T 1505...1507	BSX 27
T 1508, 1509	2 N 708 / BSX 88

Dioden (Diodes)

Gl 1501...1504	hpa 5082 - 2800	Hewlett-Packard
Gl 1505...1508	1 N 4151 (rt) 1)	

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1) ausgesucht nach (selected according to) Bv. 341 - 9360

SCHALTTEILLISTE (Parts List) (16)

Trägeroszillator (Carrier oscillator)

Widerstände (Resistors)

R 1601	100 Ω	0309	5 %	KI 2
R 1602	8,2 kΩ	0309	5 %	KI 2
R 1603	680 Ω	0309	5 %	KI 2
R 1604	3,9 kΩ	0309	5 %	KI 2
R 1606	18 kΩ	0309	1 %	KI 0,5
R 1607	100 Ω	0309	5 %	KI 2
R 1608	680 Ω	0309	5 %	KI 2
R 1609	16,5 kΩ	0309	1 %	KI 0,5
R 1610	8,2 kΩ	0309	5 %	KI 2
R 1611	120 Ω	0309	5 %	KI 2
R 1612	10 kΩ	0309	5 %	KI 2
R 1613	6,8 kΩ	0309	5 %	KI 2
R 1614	22 kΩ	0309	5 %	KI 2
R 1615	68 Ω	0309	5 %	KI 2
R 1616	8,2 kΩ	0309	5 %	KI 2
R 1617	270 Ω	0309	5 %	KI 2
R 1618	47 Ω	0309	5 %	KI 2
R 1619	10 kΩ	0309	5 %	KI 2
R 1620	6,8 kΩ	0309	5 %	KI 2
R 1621	22 kΩ	0309	5 %	KI 2
R 1622	68 Ω	0309	5 %	KI 2
R 1623	8,2 kΩ	0309	5 %	KI 2
R 1624	270 Ω	0309	5 %	KI 2
R 1625	47 Ω	0309	5 %	KI 2
R 1626	10 kΩ	0309	5 %	KI 2
R 1627	6,8 kΩ	0309	5 %	KI 2
R 1628	22 kΩ	0309	5 %	KI 2
R 1629	68 Ω	0309	5 %	KI 2
R 1630	8,2 kΩ	0309	5 %	KI 2
R 1631	270 Ω	0309	5 %	KI 2
R 1632	47 Ω	0309	5 %	KI 2
R 1633	10 kΩ	0309	5 %	KI 2
R 1634	6,8 kΩ	0309	5 %	KI 2
R 1635	22 kΩ	0309	5 %	KI 2
R 1636	68 Ω	0309	5 %	KI 2
R 1637	8,2 kΩ	0309	5 %	KI 2
R 1638	270 Ω	0309	5 %	KI 2
R 1639	47 Ω	0309	5 %	KI 2
R 1640	4,7 kΩ	0309	5 %	KI 2
R 1641	18 kΩ	0309	5 %	KI 2
R 1642	270 Ω	0309	5 %	KI 2
R 1643	47 Ω	0309	5 %	KI 2
R 1644...1649	10 Ω	0309	5 %	KI 2
R 1651	8,2 kΩ	0309	5 %	KI 2
R 1652	1,8 kΩ	0309	5 %	KI 2
R 1653...1655	100 Ω	0309	5 %	KI 2

Kondensatoren (Capacitors)

C 1601	4,7 µF	35 V	20 %	Elko	
C 1602, 1603	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1604	4,7 µF	35 V	20 %	Elko	
C 1605	0,22 µF	100 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1606	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1607	1 nF		+80/-20 %	Keram.	
C 1608	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1610	1 nF	250 V	10 %	Glimmer	Jahre
C 1611	22 µF	16 V	20 %	Elko	
C 1612	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1613	1 nF		+80/-20 %	Keram.	
C 1614	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1616	1 nF	250 V	10 %	Glimmer	Jahre
C 1617	22 µF	16 V	20 %	Elko	
C 1618	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1619	1 nF		+80/-20 %	Keram.	
C 1620	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1622	1 nF	250 V	10 %	Glimmer	Jahre
C 1623	22 µF	16 V	20 %	Elko	
C 1624	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1625	1 nF		+80/-20 %	Keram.	
C 1626	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1628	1 nF	250 V	10 %	Glimmer	Jahre
C 1629	22 µF	16 V	20 %	Elko	
C 1630...1632	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1633	68 pF		2 %	Keram.	
C 1634...1637	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1641...1646	4,7 nF	350 V	-20/+80 %	Keram.	
C 1647	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1648	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	

Dioden (Diodes)

Gl 1602	1 N 941/1 N 4448	
Gl 1603	BB 104 blau (blue)	Siemens
Gl 1604	1 N 914/1 N 4448	
Gl 1605	BB 104 blau (blue)	Siemens
Gl 1606	1 N 914/1 N 4448	
Gl 1607	BB 104 blau (blue)	Siemens
Gl 1608	1 N 914/1 N 4448	
Gl 1609	BB 104 blau (blue)	Siemens
Gl 1610	HP 5082-2811	Hewlett-Packard
Gl 1611	1 N 914/1 N 4448	

Transistoren (Transistors)

T 1601, 1602	BCY 59 D
T 1603...1608	BSX 27

Spulen (Coils)

L 1601		Bv. 341 - 7897.1	
L 1602		Bv. 341 - 7898.1	
L 1603		Bv. 341 - 7899.1	
L 1604		Bv. 341 - 7890.1	
L 1605	2 µH / 2 A	B 82 111 - A - C 2	Siemens

Frequenzbereichsschalter (Frequency range switch)

Widerstände (Resistors)

R 1701	21,4 kΩ	0309	1 %	KI 0,5
R 1702	4,16 kΩ	0309	1 %	KI 0,5
R 1703	7,4 kΩ	0309	1 %	KI 0,5
R 1704	3,52 kΩ	0309	1 %	KI 0,5
R 1705	2,6 kΩ	0309	1 %	KI 0,5
R 1706	2,67 kΩ	0309	1 %	KI 0,5
R 1707	6,6 kΩ	0309	1 %	KI 0,5
R 1708	18 kΩ	0309	1 %	KI 0,5
R 1709	3,73 kΩ	0309	1 %	KI 0,5
R 1710	7,2 kΩ	0309	1 %	KI 0,5
R 1711	3,73 kΩ	0309	1 %	KI 0,5
R 1712	3 kΩ	0309	1 %	KI 0,5
R 1713	3,09 kΩ	0309	1 %	KI 0,5
R 1714	1,2 kΩ	0309	1 %	KI 0,5
R 1715	2,46 kΩ	0309	1 %	KI 0,5
R 1716	6 kΩ	0309	1 %	KI 0,5
R 1717	15,6 kΩ	0309	1 %	KI 0,5
R 1718	3,52 kΩ	0309	1 %	KI 0,5
R 1719	6,4 kΩ	0309	1 %	KI 0,5
R 1720	4,16 kΩ	0309	1 %	KI 0,5
R 1721	2,6 kΩ	0309	1 %	KI 0,5
R 1722	3,73 kΩ	0309	1 %	KI 0,5
R 1723	1 kΩ	0309	1 %	KI 0,5
R 1724	3,09 kΩ	0309	1 %	KI 0,5
R 1725	8,4 kΩ	0309	1 %	KI 0,5
R 1726	13 kΩ	0309	1 %	KI 0,5
R 1727	5,62 kΩ	0309	1 %	TK 50
R 1728	6,6 kΩ	0309	1 %	KI 0,5
R 1729	3,52 kΩ	0309	1 %	KI 0,5
R 1730	3 kΩ	0309	1 %	KI 0,5
R 1731	3,73 kΩ	0309	1 %	KI 0,5
R 1732	1,2 kΩ	0309	1 %	KI 0,5
R 1733	3,3 kΩ	0309	1 %	KI 0,5
R 1734	11,4 kΩ	0309	1 %	KI 0,5

Potentiometer

P 1701...1715	100 kΩ lin	1 W

Dioden (Diodes)

GI 1701, 1702	1 N 914/1 N 4448

Schalter (Switch)

S 1701	Bv. 340 - 8008

Buchsen (Sockets)

Bu 1701	24polig	WN 119/5/5
Bu 1702	5polig	WN 119/7/3

24-MHz-Oszillator und Phasenvergleicher
(24 MHz oscillator and phase comparator)

Widerstände (Resistors)

R 1801	4,7 kΩ	0309	5 %	Kl 2
R 1802	1,8 kΩ	0309	5 %	Kl 2
R 1803, 1804	330 Ω	0309	5 %	Kl 2
R 1805	33 kΩ	0309	5 %	Kl 2
R 1806	220 Ω	0309	5 %	Kl 2
R 1807, 1808	1 kΩ	0309	5 %	Kl 2
R 1809	100 Ω	0309	5 %	Kl 2
R 1810	8,2 kΩ	0309	5 %	Kl 2
R 1811, 1812	680 Ω	0309	5 %	Kl 2
R 1813	18 kΩ	0309	5 %	Kl 2
R 1814	100 Ω	0309	5 %	Kl 2
R 1815	2,2 kΩ	0309	5 %	Kl 2
R 1816	680 Ω	0309	5 %	Kl 2
R 1817	8,2 kΩ	0309	5 %	Kl 2
R 1818	8,2 kΩ	0309	5 %	Kl 2
R 1819	4,7 kΩ	0309	5 %	Kl 2
R 1820	47 Ω	0309	5 %	Kl 2
R 1821	6,8 kΩ	0309	5 %	Kl 2
R 1822	560 Ω	0309	5 %	Kl 2
R 1823	18 kΩ	0309	5 %	Kl 2
R 1824	33 Ω	0309	5 %	Kl 2
R 1825	8,2 kΩ	0309	5 %	Kl 2
R 1826	39 kΩ	0309	5 %	Kl 2
R 1827...1829	100 Ω	0309	5 %	Kl 2
R 1830	820 Ω	0309	5 %	Kl 2
R 1831	1 kΩ	0309	5 %	Kl 2
R 1832	1,8 kΩ	0309	5 %	Kl 2
R 1835	680 Ω	0309	5 %	Kl 2
R 1836	100 Ω	0309	5 %	Kl 2
R 1837	100 Ω	0309	5 %	Kl 2

Kondensatoren (Capacitors)

C 1801	12 pF		5 %	Keram.	
C 1802, 1803	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1804, 1805	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1806, 1807	100 pF	400 V	2 %	Keram.	Valvo
C 1808	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 1909, 1810	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 1811	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	Ero
C 1812	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 1813, 1814	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)	
C 1815	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1816	1 nF	250 V	1 %	Glimmer	Jahre
C 1817	47 pF		2 %	Keram.	
C 1818	33 pF		2 %	Keram.	

C 1819	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)	
C 1820	120 pF		2 %	Keram.	
C 1821	10 nF	40 V	+100/-20 %	Keram.	
C 1822	56 pF		2 %	Keram.	
C 1823	100 pF	300 V	5 %	Glimmer	Jahre
C 1824	22 µF	16 V	20 %	Elko	
C 1825	1 nF		+ 80/- 20 %	Keram.	
C 1826	82 pF	500 V	2 %	Keram.	

Transistoren (Transistors)

T 1801	BSX 29	
T 1802	BFX 59	
T 1803	BCY 59 D	
T 1804	BSX 29	
T 1805	BCY 59 D	
T 1806	2 N 708/BSX 88	
T 1807, 1808	BSX 29	

Dioden (Diodes)

GI 1801...1804	DGA 5	ITT
GI 1805	MV 1648	Motorola
GI 1806	hpa 5082-2811	

Übertrager (Transformer)

Ü 1801	Bv. 241-7727	

Spulen (Coils)

L 1801	3,3 µH		
L 1802	30 µH/0,3 A	B 82111-A-C 6	Siemens
L 1803		Bv. 341-7888	
L 1804	68 µH		
L 1805	1 µH		

SCHALTTEILLISTE (Parts List) (19)

1-MHz-Fremdsteuerung (1 MHz synchronous tuning)

Widerstände (Resistors)

R 1901	100 Ω	0309	5 %	KI 2
R 1902	680 Ω	0309	5 %	KI 2
R 1903	6,8 kΩ	0309	5 %	KI 2
R 1904	15 kΩ	0309	5 %	KI 2
R 1905	75 Ω	0309	1 %	KI 0,5
R 1906	5,6 kΩ	0309	5 %	KI 2
R 1907	10 kΩ	0309	5 %	KI 2
R 1908	3,9 kΩ	0309	5 %	KI 2
R 1909	120 Ω	0309	5 %	KI 2
R 1910	220 Ω	0309	5 %	KI 2
R 1911	100 Ω	0309	5 %	KI 2
R 1912	180 Ω	0309	5 %	KI 2
R 1913	100 Ω	0309	5 %	KI 2

Kondensatoren (Capacitors)

C 1901	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1902	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)
C 1905	22 µF	16 V	20 %	Elko
C 1906, 1907	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 1908	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)
C 1909	1,5 nF	250 V	1 %	Glimmer Jahre
C 1910	2,2 nF	250 V	1 %	Glimmer Jahre

Übertrager (Transformer)

Ü 1901 — Bv. 340-7737

Spulen (Coils)

L 1901	150 µH
L 1902	15 µH

Transistoren (Transistors)

T 1901 — DW 7154
T 1902, 1903 — BCY 59 D

Buchse (Socket)

Bu 1901 — UNI 9 F WN 119/9/4

Frequenzteiler (Frequency divider)

Widerstände (Resistors)

R 2001	27 kΩ	0414	1 %	Kl 0,5
R 2002	2,7 kΩ	0309	5 %	Kl 2
R 2003	15 kΩ	0309	5 %	Kl 2
R 2004	2,7 kΩ	0309	5 %	Kl 2
R 2005	6,8 kΩ	0309	5 %	Kl 2
R 2006	1,8 kΩ	0309	5 %	Kl 2
R 2007	136 kΩ	0414	1 %	Kl 0,5
R 2008	15 kΩ	0309	5 %	Kl 2
R 2009	22 kΩ	0309	5 %	Kl 2
R 2010	6,8 kΩ	0309	5 %	Kl 2
R 2011	27 kΩ	0309	5 %	Kl 2
R 2012	3,9 kΩ	0309	5 %	Kl 2
R 2013	520 kΩ	0414	1 %	Kl 0,5
R 2014, 2015	47 kΩ	0309	5 %	Kl 2
R 2016	18 kΩ	0309	5 %	Kl 2
R 2017	100 kΩ	0309	5 %	Kl 2
R 2018	1 kΩ	0309	5 %	Kl 2
R 2019	10 kΩ	0309	5 %	Kl 2
R 2020	100 Ω	0309	5 %	Kl 2
R 2021	3,3 kΩ	0309	5 %	Kl 2
R 2022	5,6 kΩ	0309	5 %	Kl 2
R 2023	2,2 kΩ	0309	5 %	Kl 2
R 2025...2028	10 Ω	0309	5 %	Kl 2
R 2029, 2030	1 kΩ	0309	5 %	Kl 2

Kondensatoren (Capacitors)

C 2001	10 pF		5 %	Keram.	
C 2002	220 pF	250 V	± 3 pF	Glimmer	Jahre
C 2003	33 pF		2 %	Keram.	
C 2004	56 pF		2 %	Keram.	
C 2005	22 pF		2 %	Keram.	
C 2006	220 pF	250 V	± 3 pF	Glimmer	Jahre
C 2007	39 pF		2 %	Keram.	
C 2008	56 pF		2 %	Keram.	
C 2009	22 pF		2 %	Keram.	
C 2010	220 pF	250 V	± 3 pF	Glimmer	Jahre
C 2011	39 pF		2 %	Keram.	
C 2012	120 pF		2 %	Keram.	
C 2013	22 µF	16 V	20 %	Elko	
C 2015	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)	Ero
C 2016...2019	4,7 nF	350 V	+ 80/- 20 %	Keram.	

Transistoren (Transistors)	
T 2001	2 N 2369
T 2002...2009	2 N 708/BSX 88
T 2010	2 N 3251
Dioden (Diodes)	
GI 2001...2008	1 N 914/1 N 4448

SCHALTTEILLISTE (Parts List) (21)

Abstimmanzeige (Tuning indicator)

Widerstände (Resistors)

R 2101	100 Ω	0309	5 %	Kl 2
R 2102, 2103	12 kΩ	0309	5 %	Kl 2
R 2104	220 Ω	0309	5 %	Kl 2
R 2105	1 kΩ	0309	5 %	Kl 2
R 2106	390 Ω	0309	5 %	Kl 2
R 2107	1,8 kΩ	0309	5 %	Kl 2
R 2108	1 kΩ	0309	5 %	Kl 2
R 2109	12 kΩ	0309	5 %	Kl 2
R 2110	470 Ω	0309	5 %	Kl 2
R 2111	2,7 kΩ	0309	5 %	Kl 2
R 2112	10 kΩ	0309	5 %	Kl 2
R 2113	1 kΩ	0309	5 %	Kl 2
R 2114	10 kΩ	0309	5 %	Kl 2
R 2115	220 kΩ	0309	5 %	Kl 2
R 2116	1 kΩ	0309	5 %	Kl 2
R 2117	10 kΩ	0309	5 %	Kl 2
R 2118	22 kΩ	0309	5 %	Kl 2
R 2119	1,8 kΩ	0309	5 %	Kl 2
R 2120	15 kΩ	0309	5 %	Kl 2
R 2121	100 Ω	0309	5 %	Kl 2
R 2122, 2123	56 kΩ	0309	5 %	Kl 2
R 2124	27 kΩ	0309	5 %	Kl 2
R 2125, 2126	220 kΩ	0309	5 %	Kl 2
R 2127	100 Ω	0309	5 %	Kl 2
R 2128	2,2 kΩ	0309	5 %	Kl 2
R 2129	15 kΩ	0309	5 %	Kl 2
R 2130	100 Ω	0309	5 %	Kl 2

Potentiometer

P 2101	47 kΩ lin	0,5 W

Kondensatoren (Capacitors)

C 2101...2104	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 2105	1 µF	35 V	20 %	Elko
C 2106...2109	0,1 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 2110	150 pF	125 V	2,5 %	Kunst.-Folie (plastic foil)
C 2111	330 pF	160 V	5 %	Kunst.-Folie (plastic foil)
C 2112	1,5 nF	125 V	2,5 %	Kunst.-Folie (plastic foil)
C 2113	0,22 µF	100 V	20 %	Kunst.-Folie (plastic foil)
C 2114	15 µF	10 V	20 %	Elko
C 2115	680 pF	125 V	2,5 %	Kunst.-Folie (plastic foil)
C 2116, 2117	1 µF	35 V	20 %	Elko
C 2118	10 nF	630 V	20 %	Kunst.-Folie (plastic foil)

Transistoren (Transistors)

T 2101	2 N 708/BSX 88
T 2102	BSX 29
T 2103	2 N 708/BSX 88
T 2104	2 N 930/BFX 93
T 2105...2107	BCY 59 D
T 2108	2 N 930/BFX 93

Dioden (Diodes)

Gl 2101...2105	1 N 914/1 N 4448

Übertrager (Transformers)

Ü 2101	Bv. 341 - 7736
Ü 2102	Bv. 341 - 7771

Instrument (Meter)

J 2101	Bv. 341 - 8103

Buchse (Socket)

Bu 2101	75 Ω	II WN 119/8/1

SCHALTTEILLISTE (Parts List) (22)

Ausgangspegelschalter dB/dBm
(Output level switch dB/dBm)

Diode (Diode)

GI 2201	OA 182	Telefunken

Schalter (Switch)

S 2201

SCHALTTEILLISTE (Parts List) (24)

Austastschaltung (Blanking circuit)

Widerstände (Resistors)

R 2401	47 Ω	0309	5 %	KI 2
R 2402	470 kΩ	0309	5 %	KI 2
R 2403	100 Ω	0309	5 %	KI 2
R 2404	68 kΩ	0309	5 %	KI 2
R 2405	56 kΩ	0309	5 %	KI 2
R 2406, 2407	220 kΩ	0309	5 %	KI 2
R 2408	120 kΩ	0309	5 %	KI 2
R 2409	270 kΩ	0309	5 %	KI 2
R 2410	100 kΩ	0309	5 %	KI 2
R 2411	10 kΩ	0309	5 %	KI 2
R 2412	330 kΩ	0309	5 %	KI 2
R 2413	220 Ω	0309	5 %	KI 2
R 2414	27 kΩ	0309	5 %	KI 2
R 2415	8,2 kΩ	0309	5 %	KI 2
R 2416	100 kΩ	0309	5 %	KI 2
R 2417	270 kΩ	0309	5 %	KI 2
R 2418	33 kΩ	0309	5 %	KI 2
R 2419	330 kΩ	0309	5 %	KI 2
R 2420	27 kΩ	0309	5 %	KI 2
R 2421	2,2 kΩ	0309	5 %	KI 2
R 2422	68 kΩ	0309	5 %	KI 2
R 2423	47 kΩ	0309	5 %	KI 2
R 2424	820 kΩ	0309	5 %	KI 2
R 2425	120 kΩ	0309	5 %	KI 2
R 2426	47 kΩ	0309	5 %	KI 2
R 2427	10 Ω	0309	5 %	KI 2
R 2428	10 kΩ	0309	5 %	KI 2

Kondensatoren (Capacitors)

C 2401	0,22 µF	100 V-	20 %	Kunst.-Folie (plastic foil)
C 2402	1 µF	100 V-	10 %	Kunst.-Folie (plastic foil) Ero

C 2403	47 nF	250 V-	20 %	Kunst.-Folie (plastic foil)	
C 2404	0,22 µF	100 V-	20 %	Kunst.-Folie (plastic foil)	
C 2405	10 nF	630 V-	20 %	Kunst.-Folie (plastic foil)	
C 2406	4,7 µF	100 V-	10 %	Kunst.-Folie (plastic foil)	Ero
C 2407	0,47 µF	100 V-	20 %	Kunst.-Folie (plastic foil)	

Spule (Coil)

L 2401	2 WN 117/1/1	

Transistoren (Transistors)

T 2401, 2402	DW 7154	
T 2403	BCY 59 D [1]	
T 2404	2 N 930/BFX 93	
T 2405	DW 7154	
T 2406, 2407	BCY 59 D [1]	
T 2408	2 N 930/BFX 93	
T 2409...2411	DW 7154	
T 2412	2 N 708/BSX 88	
T 2413	BSX 93	

Dioden (Diodes)

GI 2401...2405, 2409...2413	1 N 914/1 N 4448	
GI 2414, 2415	ZPD 15	ITT

Buchse (Socket)

Bu 2401	WN 119/2/3	

Schalter (Switch)

S 2401	1 x U, LR 3 Au/Ni mit Staubschutzkappe (1 x changeover, LR 3 Au/Ni with dust cover)	2 WN 13/6/1	mit Gewinde M 2,5 (with 2.5 mm screw thread)

Spannungsregler (Voltage stabilizer)

Widerstände (Resistors)

R 2503	33 Ω	0414	1 %	KI 0,5
R 2504	10 kΩ	0309	5 %	KI 2
R 2505	470 Ω	0309	5 %	KI 2
R 2506	64,8 kΩ	0414	1 %	KI 0,5
R 2507	330 kΩ	0309	5 %	KI 2
R 2508	120 kΩ	0309	5 %	KI 2
R 2509, 2510	100 kΩ	0309	5 %	KI 2
R 2511	47 kΩ	0309	5 %	KI 2
R 2512	270 kΩ	0309	5 %	KI 2
R 2513	22 kΩ	0309	5 %	KI 2
R 2514	100 kΩ	0309	5 %	KI 2
R 2515	3,9 kΩ	0309	5 %	KI 2
R 2516	5,6 kΩ	0309	5 %	KI 2
R 2517	6,8 kΩ	0309	5 %	KI 2
R 2518	10 kΩ	0309	5 %	KI 2
R 2519, 2520	1 kΩ	0309	5 %	KI 2
R 2521	33 kΩ	0309	5 %	KI 2
R 2522	33 Ω	0414	1 %	KI 0,5
R 2523	15 kΩ	0414	1 %	KI 0,5
R 2526	24 kΩ	0414	1 %	KI 0,5
R 2527	8,2 kΩ	0414	1 %	KI 0,5
R 2531, 2532	10 kΩ	0414	0,5 %	KI 0,5
R 2535	27 kΩ	0309	5 %	KI 2
R 2538	100 Ω	0309	5 %	KI 2
R 2539	22 kΩ	0309	5 %	KI 2
R 2541	27 kΩ	0309	5 %	KI 2
R 2542	470 Ω	0309	5 %	KI 2
R 2543	4,7 kΩ	0309	5 %	KI 2
R 2546	10 kΩ	0309	5 %	KI 2
R 2547	470 Ω	0309	5 %	KI 2
R 2548	10 kΩ	0309	5 %	KI 2
R 2549	22 kΩ	0309	5 %	KI 2
R 2550, 2551	82 Ω	0719	5 %	KI 2
R 2554	1,8 kΩ	0309	5 %	KI 2

Potentiometer

P 2501	100 kΩ lin	1 W		
P 2504	2 kΩ	1 W	10 %	
P 2505	2,2 kΩ lin	1 W		Stemag

Kondensatoren (Capacitors)

C 2501	1 nF	125 V	2,5 %	Kunst.-Folie (plastic foil)
C 2502	3,3 nF	125 V	2,5 %	Kunst.-Folie (plastic foil)
C 2503, 2504	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)

C 2506	680 pF	125 V	2,5 %	Kunst.-Folie (plastic foil)
C 2508	47 nF	250 V	20 %	Kunst.-Folie (plastic foil)
C 2509	1 µF	100 V	10 %	Kunst.-Folie (plastic foil)
C 2511	100 pF		2 %	Keram.

Dioden (Diodes)

Gl 2501...2503		BAY 17	ITT
Gl 2505	U_Z = 9,0 V ± 5 % bei I_Z = 100 µA	BZY 88/C 9 V 1	Valvo
		oder ZPD 9,1	ITT
Gl 2506	U_Z = 4,7 V ± 5 % bei I_Z = 250 µA	BZY 88/C 5 V 6	Valvo
		oder ZPD 4,7	ITT
Gl 2507		1 N 914/1 N 4448	
Gl 2508		M - CR 2225	SGS
Gl 2509, 2510		1 N 914/1 N 4448	

Transistoren (Transistors)

T 2501	BSY 86
T 2502, 2503	BSY 78
T 2504	DW 7154
T 2505	BSY 86
T 2506	BSY 78
T 2507	DW 7154
T 2508	BFY 81
T 2509	BCY 59 D
T 2512	BFY 81
T 2514, 2515	DW 7154
T 2516	BCY 59 D
T 2517	DW 7154
T 2518	2 N 2905
T 2519	BSY 54
T 2520	BCY 59 D

Sicherung (Fuse)

Si 2501	M 0,125 C

SCHALTTEILLISTE (Parts List) (27)

Netzteil (Power supply)

Widerstände (Resistors)

R 2701, 2702	1 kΩ	0309	5 %	KI 2	
R 2703	100 Ω	0309	5 %	KI 2	
R 2704	133 Ω	0719	1 %	TK 50 Metallschicht (met. film)	CRL
R 2705	180 Ω	0414	5 %	KI 2	
R 2706	72,3 Ω	0719	0,5 %	TK 50 Metallschicht (met. film)	CRL
R 2707	10 kΩ		5 %		
R 2708	180 Ω	0414	5 %	KI 2	

Potentiometer

P 2701	250 Ω lin	3 W	Stemag

Kondensatoren (Capacitors)

C 2701	25 nF	250 V		B 81111-A-B 38	Siemens
C 2702	50 µF	250 V	+ 50/- 10 %	Elko	
C 2703	1 nF		+ 80/- 20 %	Keram.	

Dioden (Diodes)

GI 2701		B 125/C 600 Si	ITT
GI 2702	U_Z = 7,5 V ± 2 % bei I_Z = 5 mA	ZPD 7,5	ITT
GI 2703	U_Z = 39 V ± 3 % bei I_Z = 25 mA	ZL 39	ITT
GI 2704		1 N 4003 (4007)	ITT
GI 2705	U_Z = 8,5 V ± 3 % bei I_Z = 100 mA	ZL 8,2	ITT

Transistor (Transistor)

T 2701	2 N 3583

Spulen (Coils)

L 2701, 2702	160 µH / 0,3 A	B 82111-A-C 37	Siemens
L 2703	5 µH/ 10 A	B 82111-B-C 21	Siemens

Übertrager (Transformer)

Ü 2701	Bv. 341 - 7702

Sicherung (Fuse)

Si 2701	G-Schmelzeinsatz	110 V : T 0,250 B 220 V : T 0,125 B

Stecker (Plugs)

St 2701	3polig , 6 A	N 6049-3	Fa. Heil
St 2702	5polig	WN 319/3/2	

Schalter (Switch)

S 2701	Bv. 341 - 8002

Buchsen (Sockets)

Bu 2701 5polig
Bu 2702

1 WN 119/2/5

Instrument

J 2701

dB-Ausführung
Bv. 340 - 8107

Batterie (Battery)

B 2701...2706

WN 112/1/1

Anmerkungen zu den Stromlaufplänen (Circuit Diagram Details)

Alle angegebenen Spannungen sind mit einem Instrument 100 kΩ/V gegen 0 V gemessen
(All voltage ratings measured with respect to 0 V with 100 kΩ/V meter).

Belastbarkeit der Widerstände oder Größenbezeichnung nach DIN 44050 ff
Resistor ratings or size corresponding to German Standard DIN 44050 ff

1/20 W 1/10 W 1/8 W 1/4 W 1/3 W 1/2 W 1 W oder (or)

ab 1 W röm. Ziffern (roman numerals in excess of 1 W)

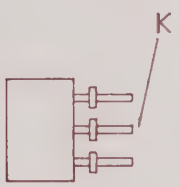
Anschlußschemas (Connection Details)

Dioden (Diodes)

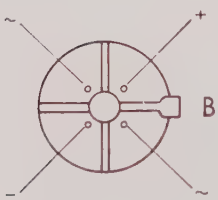
FD 700, FD 777, HD 5001, BA 111,
BA 112, BAX 25, BAY 17, BAY 72, BB 103, BZY 88/C 9-V 1, BZY 88/C 5-V 6,
DGA 5, hpa 5082-2800, HP 5082-2811, M-CR 2222, OA 182, ZP 4,7; ZP 7,5;
ZP 9,1; ZP 15, 1 N 914, 1 N 4151, 1 N 4448, ZF 5,1; ZF 6,2 (ZP 6,2); ZF 7,5

K Farbpunkt (cathode colour marked)

M-CR 2225

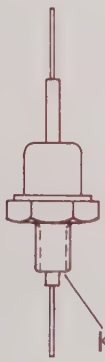


BB 104



B 125/110-0,5 Si

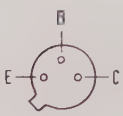
BYY 31



ZL 8,2
ZL 39

OAZ 202
OAZ 207

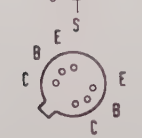
Transistoren (Transistors)



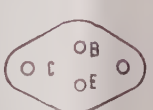
BCY 59 D, BFX 48, BFX 93, BSX 27, BSX 29, BSX 88, BSX 93, BSY 54, BSY 78,
BSY 80, BSY 86, DW 7154, 2 N 708, 2 N 930, 2 N 2369, 2 N 2784, 2 N 2905,
2 N 3209, 2 N 3251, 2 N 3546, 2 N 3960, 2 N 4261

BFX 73, BFY 90, 2 N 918, 2 N 2708, 2 N 3933

Integrierte Schaltkreise
Integrated circuits



BFY 81, BFY 84



2 N 3583

BFR 37

µA 741 C

Abkürzungsbeispiele (Abbreviation examples)

(14)	= Stromlaufplan 14	= circuit diagram 14
280-M	= Leiterplatte M	= circuit board M
Pkt. 6	= Anschlußpunkt 6	= connection point 6
TP 401	= Testpunkt 401	= test point 401

Farbkennzeichnung (Colour coding)

bl	blau	blue
blank	blank	bare wire
br	braun	brown
fl	farblos	transparent
ge	gelb	yellow
gn	grün	green
gr	grau	grey
rs	rosa	pink
rt	rot	red
Schirm	Schirm	screening
sw	schwarz	black
vio	violett	violet
ws	weiß	white
grrt	grau/rot	grey/red

geschirmte Leitung — Screened lead
blanker Draht — Bare wire

Relais in Ruhestellung gezeichnet

Relays shown in rest position

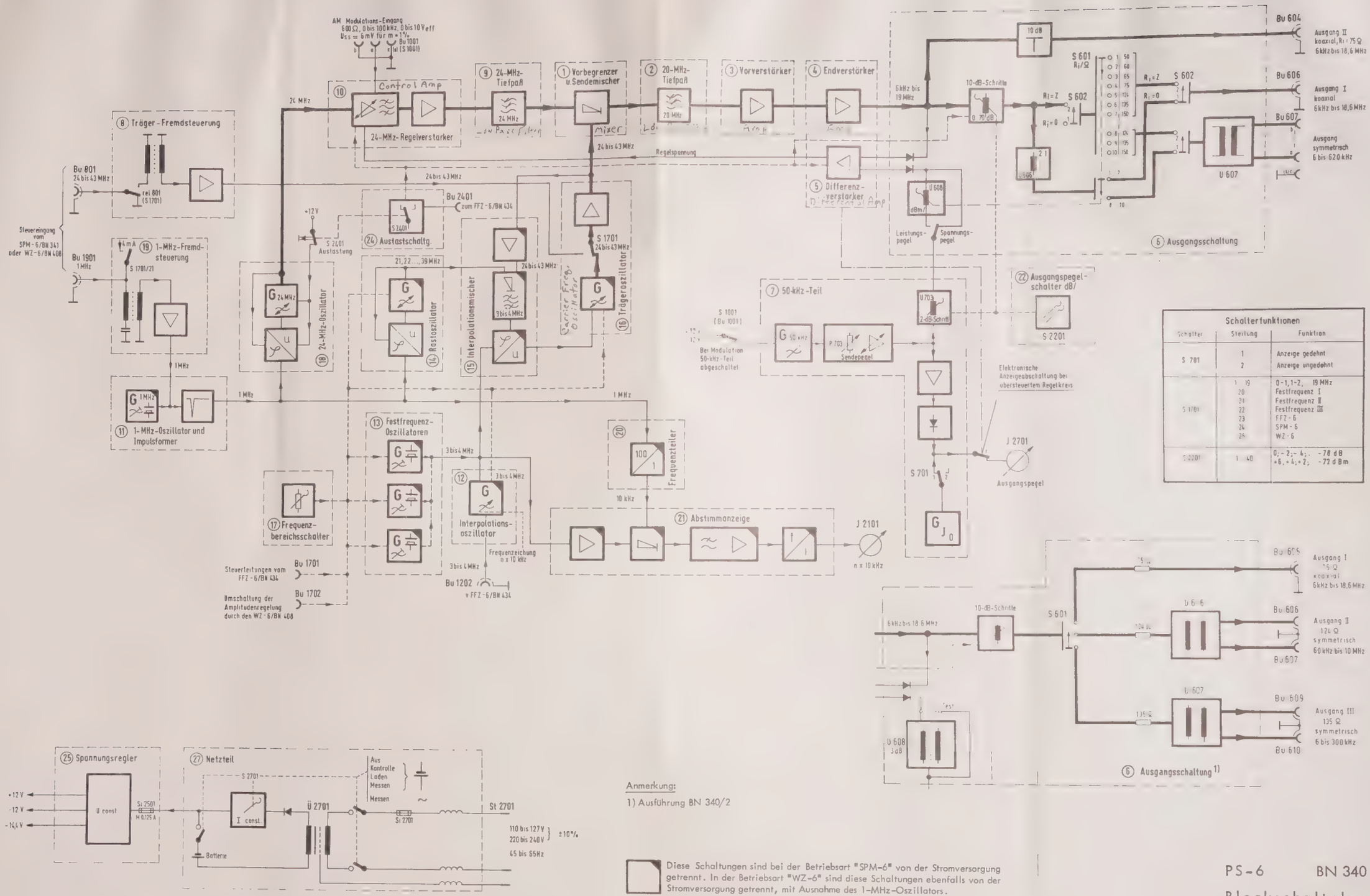
Äquivalenzliste für Transistoren (Transistor Equivalents)

2 N Typ/äquivalente Proelektron Bezeichnung (2 N Type /Equivalent Proelektron Designation)

2 N 708 / BSX 88
2 N 918 / BFX 73
2 N 930 / BFX 93
2 N 1613 / BFX 69
2 N 1893 / BFW 33
2 N 2219 / BFX 97
2 N 2222 / BFX 95
2 N 2368 / BSX 92
2 N 2369 / BSX 93
2 N 2484 / BFX 93 A
2 N 3964 / BFW 22

Sollten die Werte bestimmter Bauelemente in den Stromlaufplänen und Schaltteillisten differieren, so sind stets die Angaben in den Schaltteillisten als verbindlich anzusehen.

If the values of individual components listed in the circuit diagrams and component lists should differ from another, those values given in the component lists are valid.



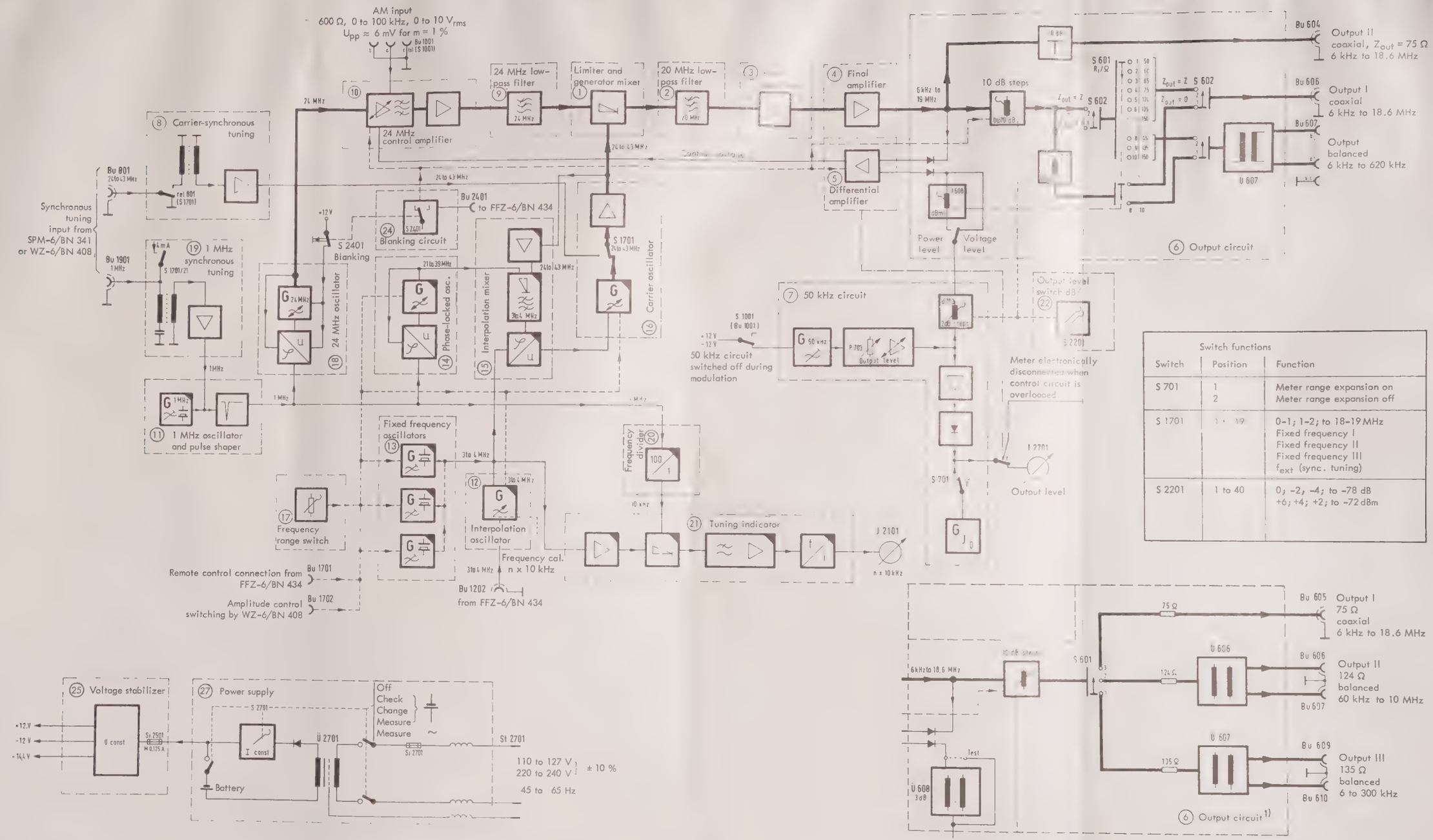
Anmerkung:

1) Ausführung BN 340/2

Diese Schaltungen sind bei der Betriebsart "SPM-6" von der Stromversorgung getrennt. In der Betriebsart "WZ-6" sind diese Schaltungen ebenfalls von der Stromversorgung getrennt, mit Ausnahme des 1-MHz-Oszillators.

PS-6 BN 340

Blockschaltplan


AM input
600 Ω, 0 to 100 kHz, 0 to 10 V rms
Upp ≈ 6 mV for m = 1 %
24 MHz low-pass filter
Limiter and generator mixer
20 MHz low-pass filter
Final amplifier
24 MHz control amplifier
8 Carrier-synchronous tuning
Synchronous tuning input from SPM-6/BN 341 or WZ-6/BN 408
19 1 MHz synchronous tuning
Blanking circuit
S 2401 Blanking
24 MHz oscillator
Phase-locked osc.
Interpolation mixer
Carrier oscillator
1 MHz oscillator and pulse shaper
Fixed frequency oscillators
Frequency divider
Frequency range switch
Interpolation oscillator
Frequency cal. n x 10 kHz
Tuning indicator
Differential amplifier
Power level
Voltage level
6 Output circuit
7 50 kHz circuit
50 kHz circuit switched off during modulation
Output level switch dB
Meter electronically disconnected when control circuit is overloaded
Output level
Remote control connection from FFZ-6/BN 434
Amplitude control switching by WZ-6/BN 408
from FFZ-6/BN 434
25 Voltage stabilizer
27 Power supply
Off
Check
Change
Measure
Battery
110 to 127 V
220 to 240 V
± 10 %
45 to 65 Hz
Output II coaxial, Zout = 75 Ω 6 kHz to 18.6 MHz
Output I coaxial 6 kHz to 18.6 MHz
Output balanced 6 kHz to 620 kHz
Output I 75 Ω coaxial 6 kHz to 18.6 MHz
Output II 124 Ω balanced 60 kHz to 10 MHz
Output III 135 Ω balanced 6 to 300 kHz

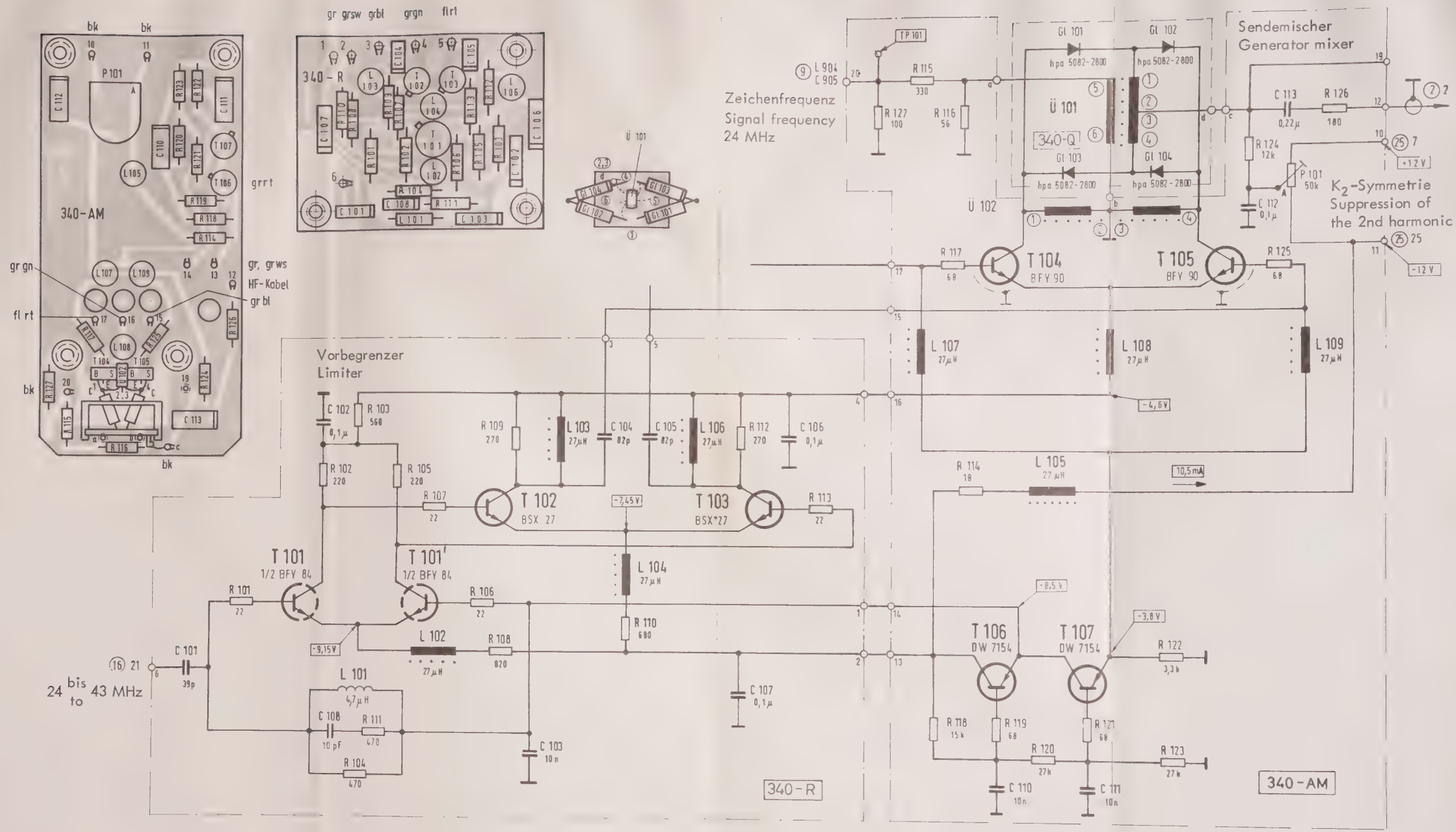
Switch functions

Switch	Position	Function
S 701	1 2	Meter range expansion on Meter range expansion off
S 1701	1 ... 19	0–1; 1–2; to 18–19 MHz Fixed frequency I Fixed frequency II Fixed frequency III f_{ext} (sync. tuning)
S 2201	1 to 40	0; –2, –4; to –78 dB +6; +4; +2; to –72 dBm

Power is removed from these circuits in the operating mode "SPM-6". In the mode "WZ-6" power is removed from these circuits except the 1 MHz oscillator.

Note:

1) Model BN 340/2



Ströme und Gleichspannungen ohne Trägersignal gemessen.

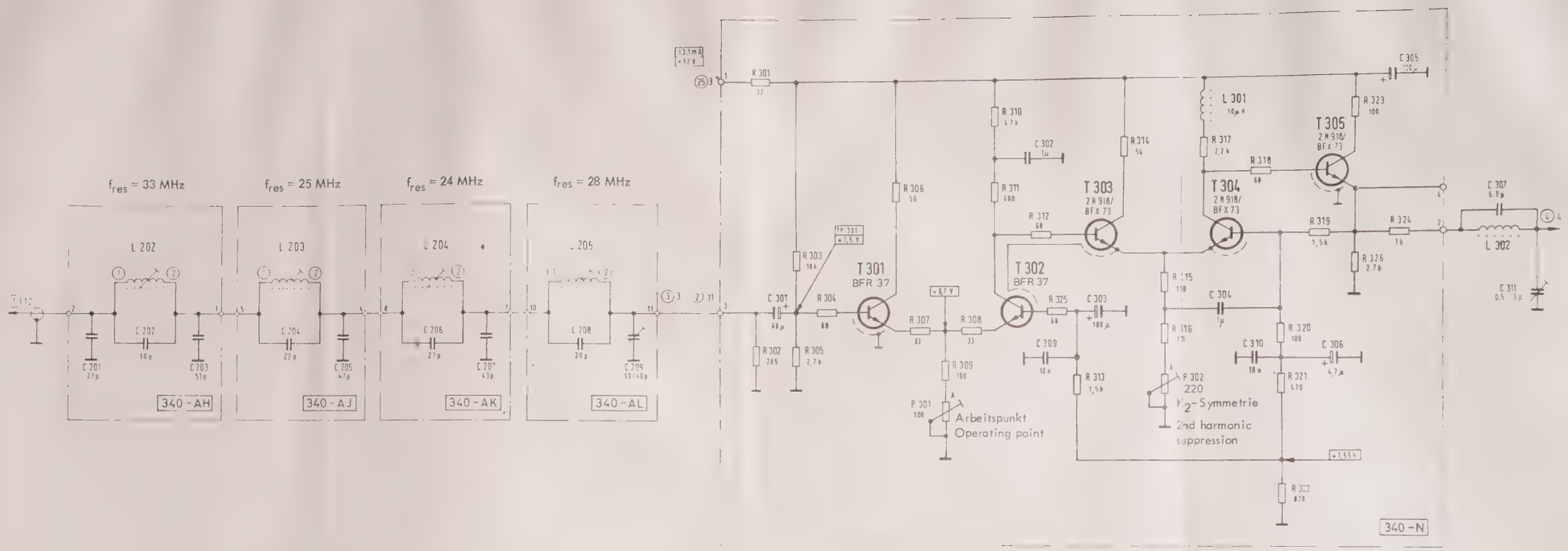
Currents and DC voltages measured without carrier signal.

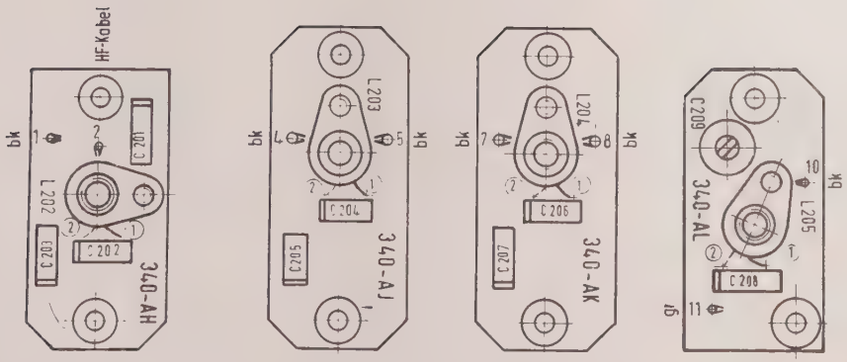
PS-6

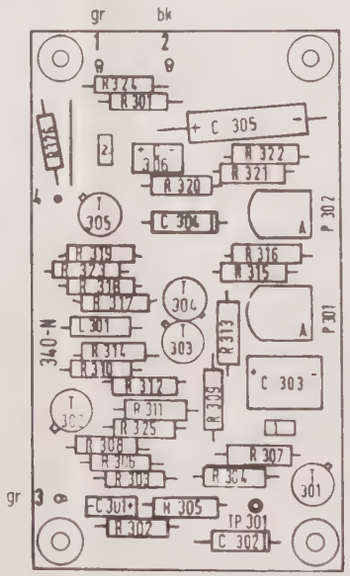
BN 340 (1)

Vorbegrenzer und Sendemischer

Limiter and Generator Mixer







PS-6 BN 340 2 3

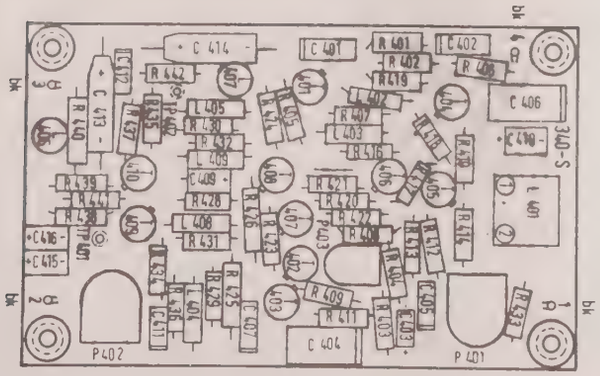
20-MHz-Tiefpaß
20 MHz Low-Pass Filter

Vorverstärker
Preamplifier

K_2 – Symmetrie
2nd harmonic suppression

Ruhestrom
Quiescent current

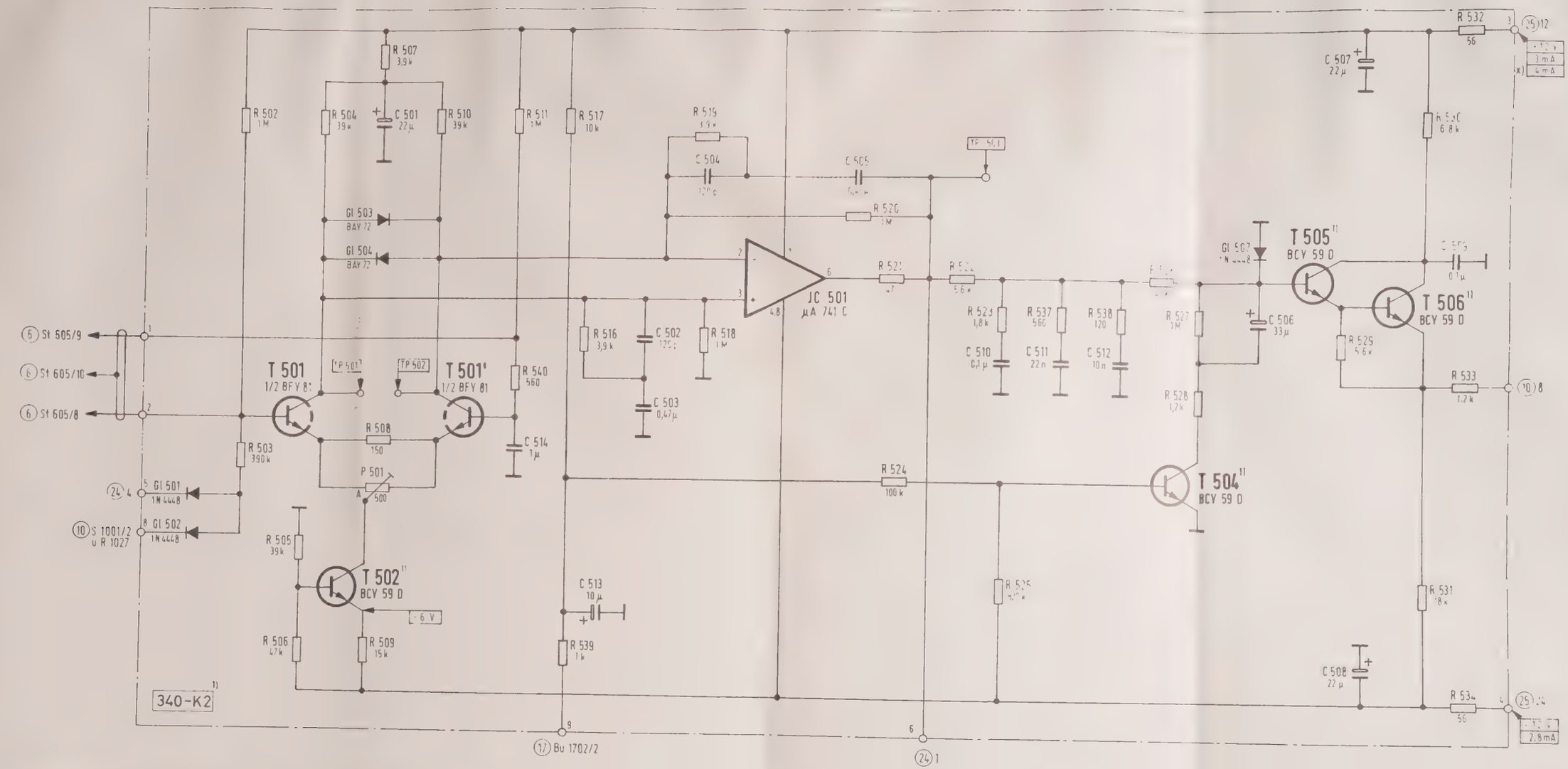
340 - S

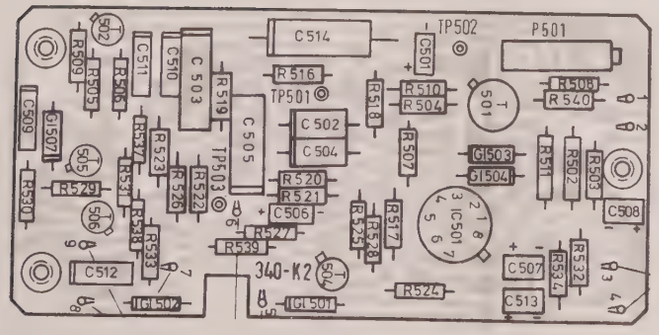


Die angegebenen Spannungen **gelten für** U = – 7 V an der Basis von T 402
The given voltages are valid with U = – 7 V at the base of T 402

*) Bereich des Meßinstruments mit $R_i \geq 3$ MΩ
Voltmeter must have an impedance of ≧ 3 MΩ in the required range

PS-6 BN340 (4)
Endverstärker
Final Amplifier





Drahtfarben (Wire colours):

1 br } geschirmte Leitung
2 ws }
3 blank
4 blank
5 gr
6 grsw
7 blank
8 blank
9 blank

Anmerkungen (Notes):

1) Serie (Series) F: 340-K 1 , T 502, T 504, T 505, T 506/BSY 80

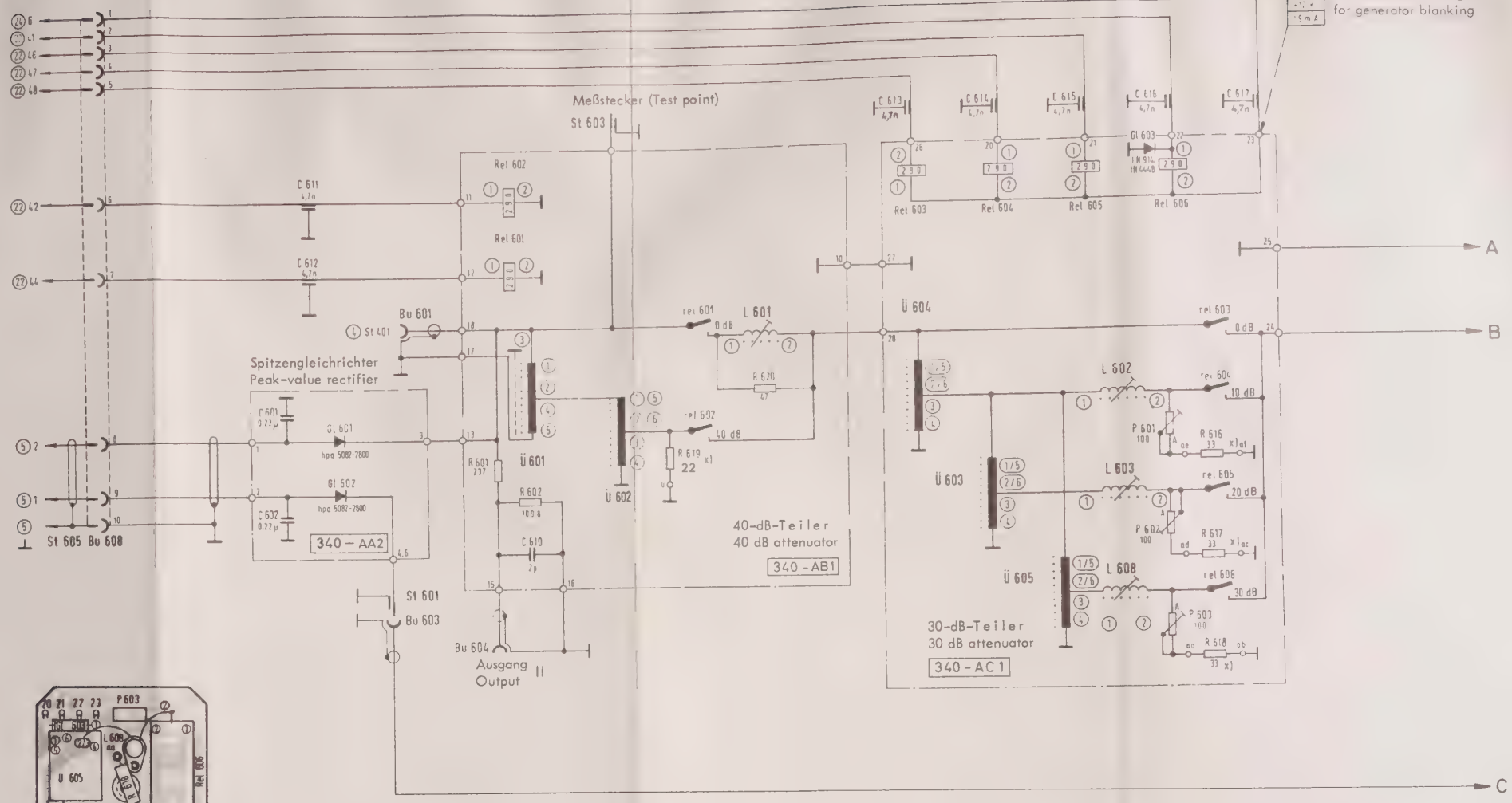
x) Bei 0 V an Pkt. 9, entsprechend Stellung "schnell" des Regelkreises
For 0 V at point 9, corresponding to position "quick" of the control circuit

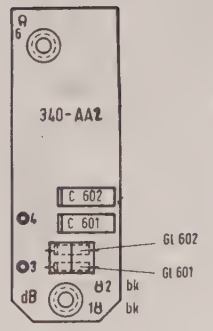
PS-6 BN 340 (5)

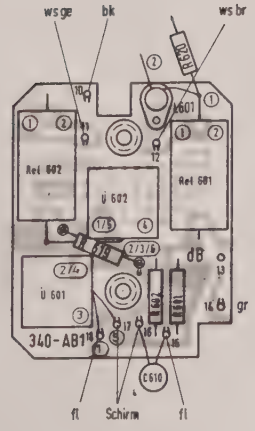
Differenzverstärker

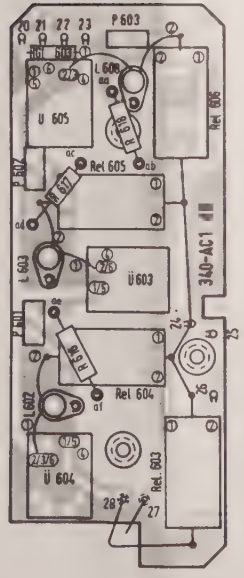
Differential Amplifier

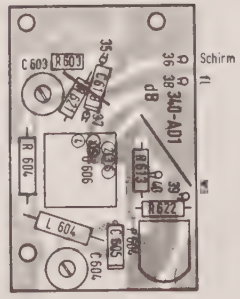
Erregte Relais Energized relays	Teilung Attenuation
rel 601/ rel 603	0 dB
rel 601/ rel 604	10 dB
rel 601/ rel 605	20 dB
rel 601/ rel 606	30 dB
rel 602/ rel 603	40 dB
rel 602/ rel 604	50 dB
rel 602/ rel 605	60 dB
rel 602/ rel 606	70 dB

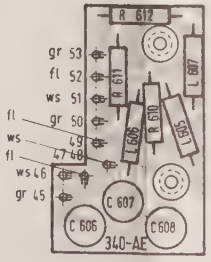


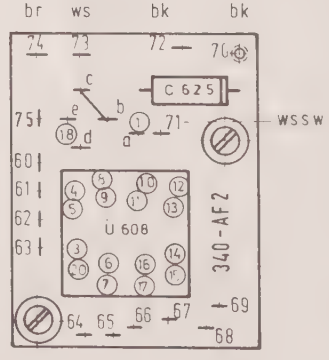


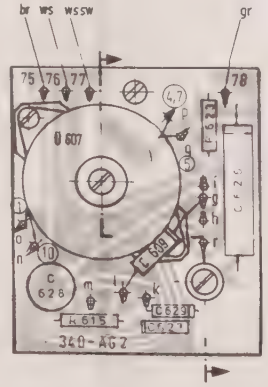


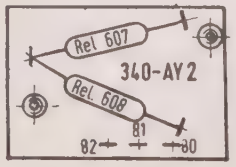


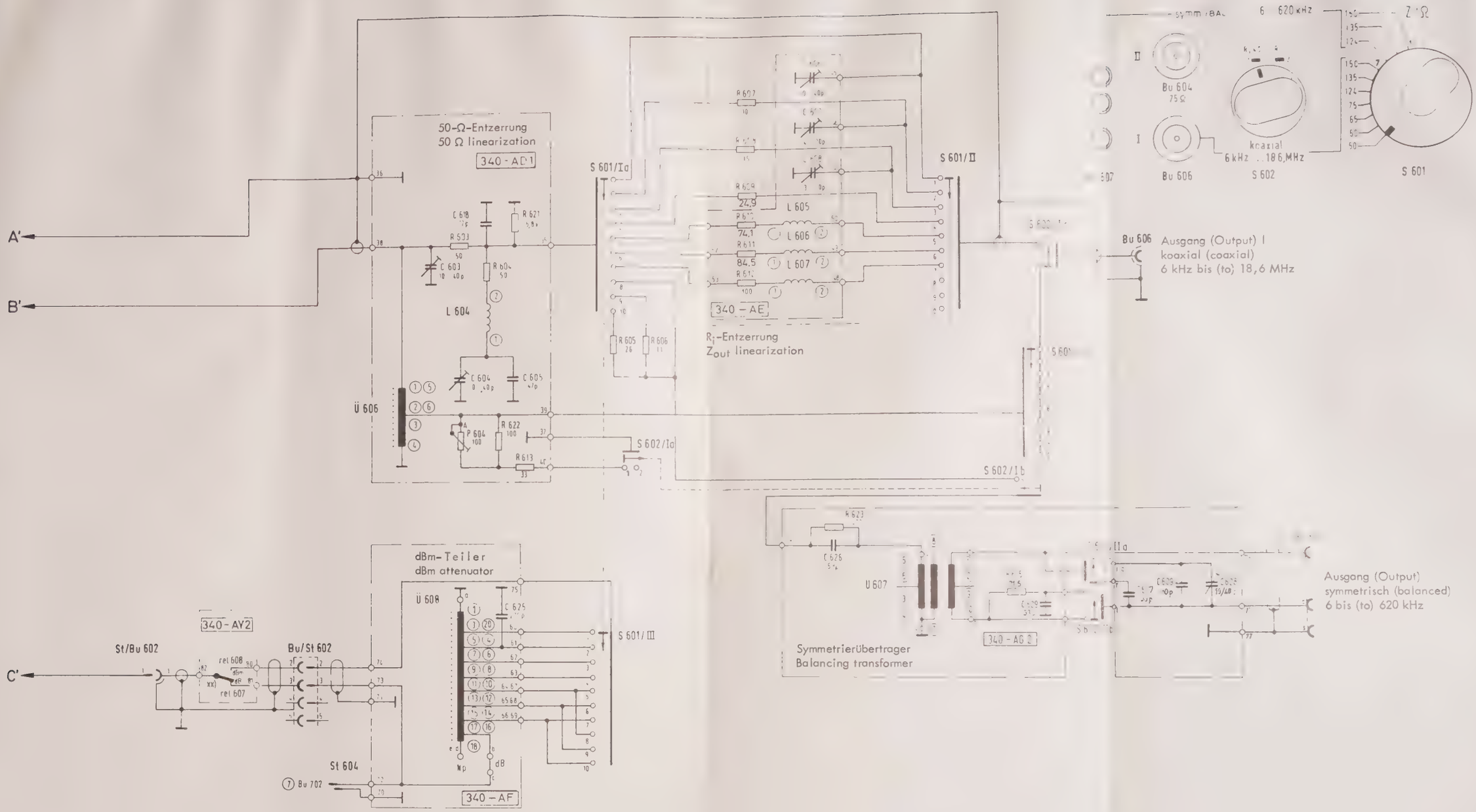












St 602 Bu 602 St 605 Bu 608

Auf Lötseite gesehen
Viewing solder tags

Anmerkungen (Notes):

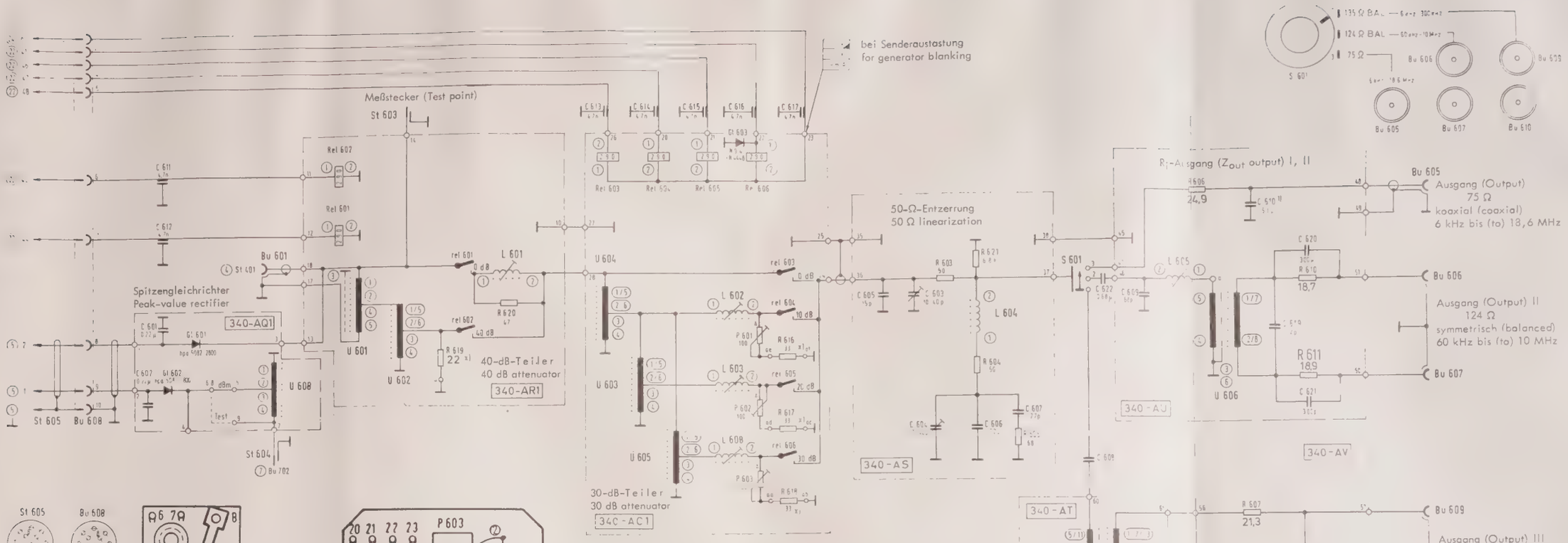
x) Abgleichwerte
Alignment values

xx) 2 Relaiskontakte mit Ma 601 geschaltet
2 relay contacts switched by magnet Ma 601

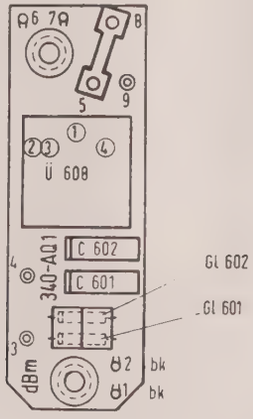
PS-6 BN 340 (6)

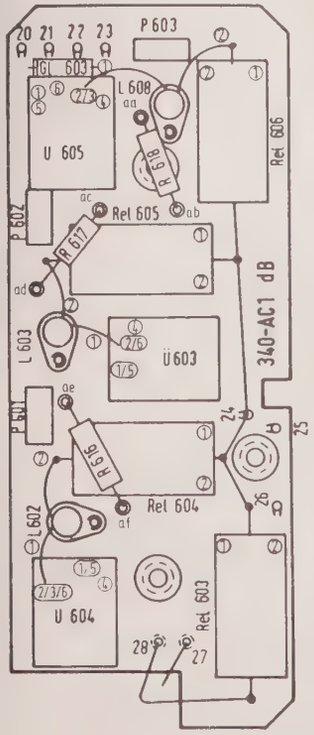
Ausgangsschaltung dB/dBm

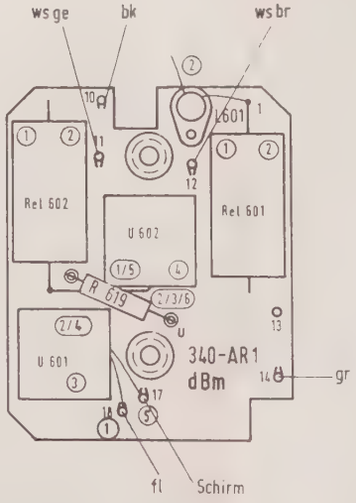
Output Circuit dB/dBm

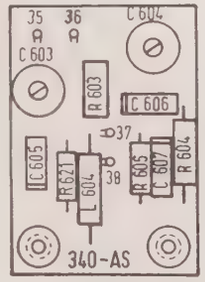


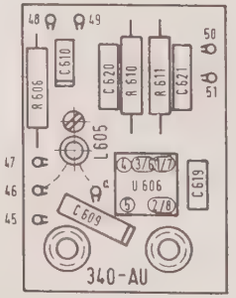
Auf Lötseite gesehen
Viewing solder tags

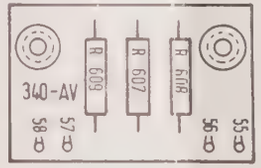


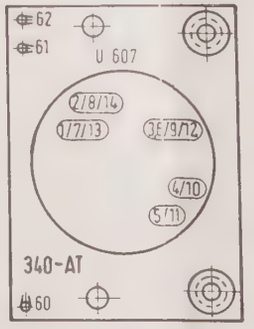












Erregte Relais Energized relays	Teilung Attenuation	Schalterstellung Switch position S 2201
rel 601/ rel 603	0 dB	· 6... -2 dBm
rel 601/ rel 604	10 dB	- 4...-12 dBm
rel 601/ rel 605	20 dB	-14...-22 dBm
rel 601/ rel 606	30 dB	-24...-32 dBm
rel 602/ rel 603	40 dB	-34...-42 dBm
rel 602/ rel 604	50 dB	-44...-52 dBm
rel 602/ rel 605	60 dB	-54...-62 dBm
rel 602/ rel 606	70 dB	-64...-72 dBm

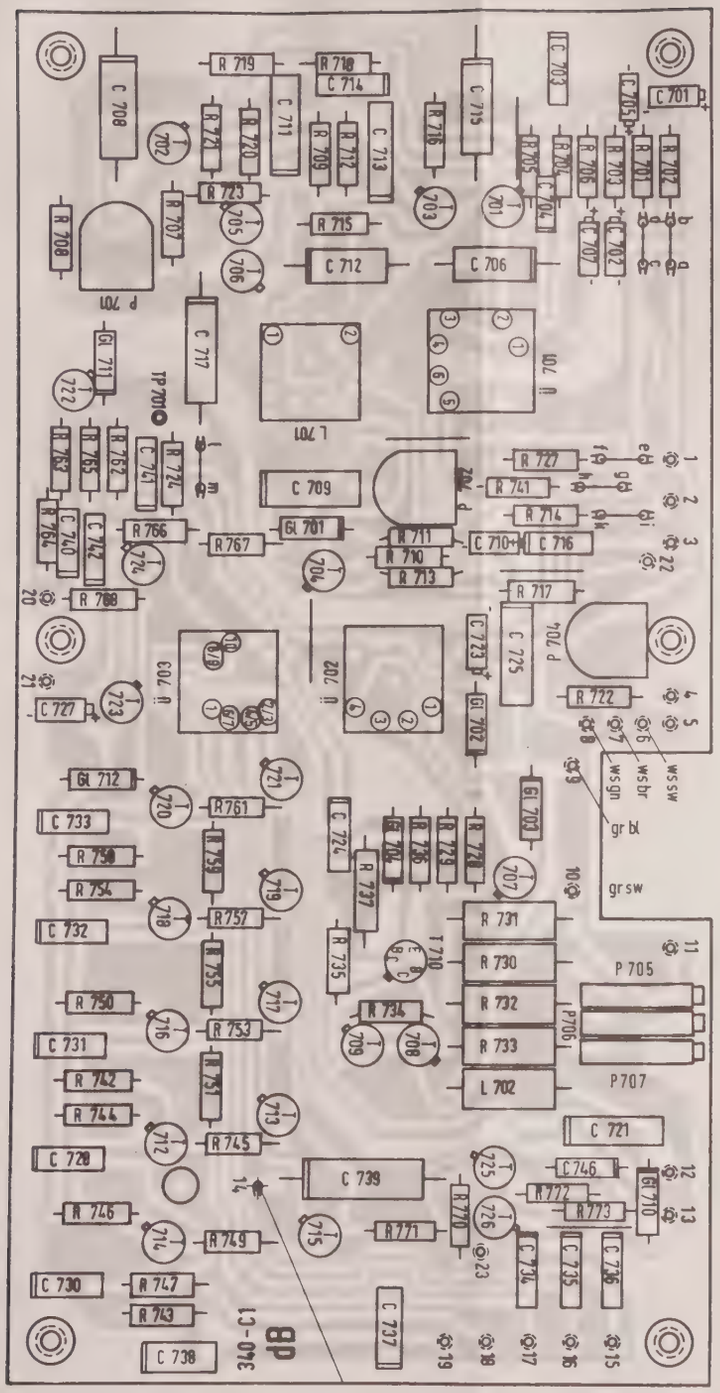
Anmerkung (Note):

1) Serie (Series)F: C 610 5p

PS-o BN 340 2

Ausgangsschaltung dBm

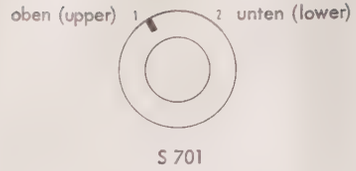
Output Circuit dBm

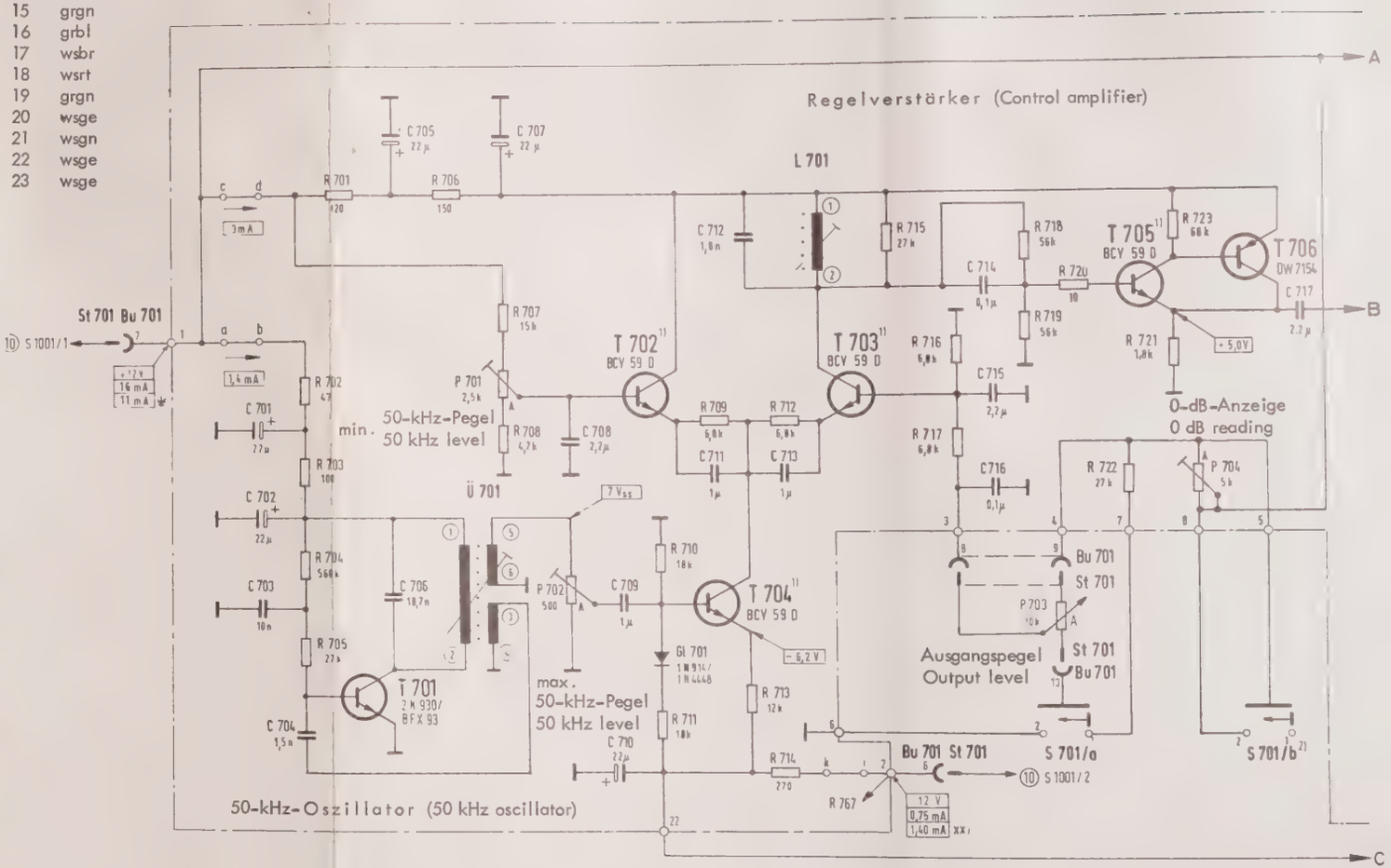


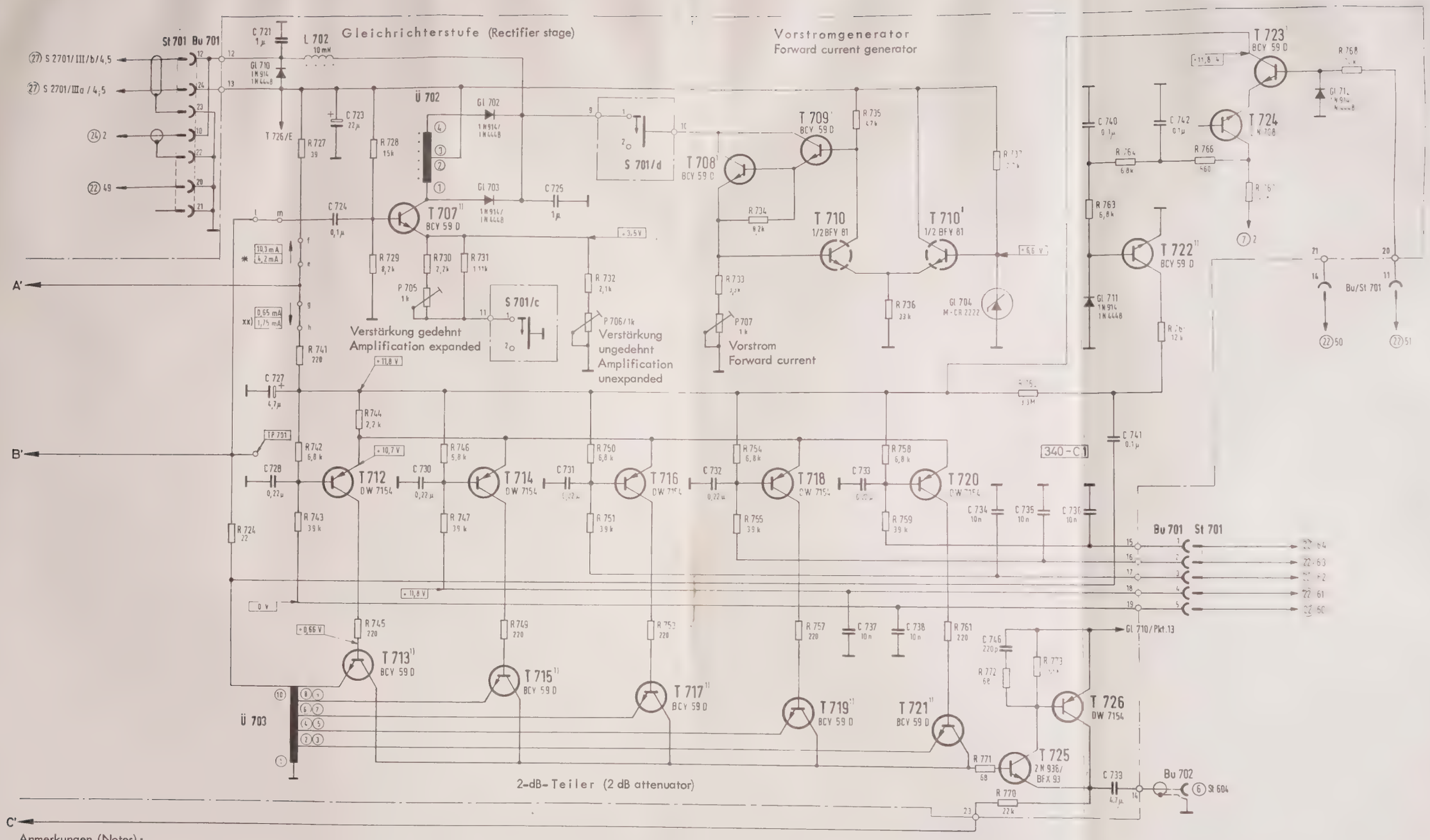
Drahtfarben (Wire colours):

1	wsrt
2	wsbl
3	wsbr
4	grgn
5	wsge
6	wssw
7	wsbr
8	wsgn
9	grbl
10	grsw
11	grgn
12	flrt
13	flsw
14	fl (HF-Kabel)
15	grgn
16	grbl
17	wsbr
18	wsrt
19	grgn
20	wsge
21	wsgn
22	wsge
23	wsge

Skala (Scale)
J 2701





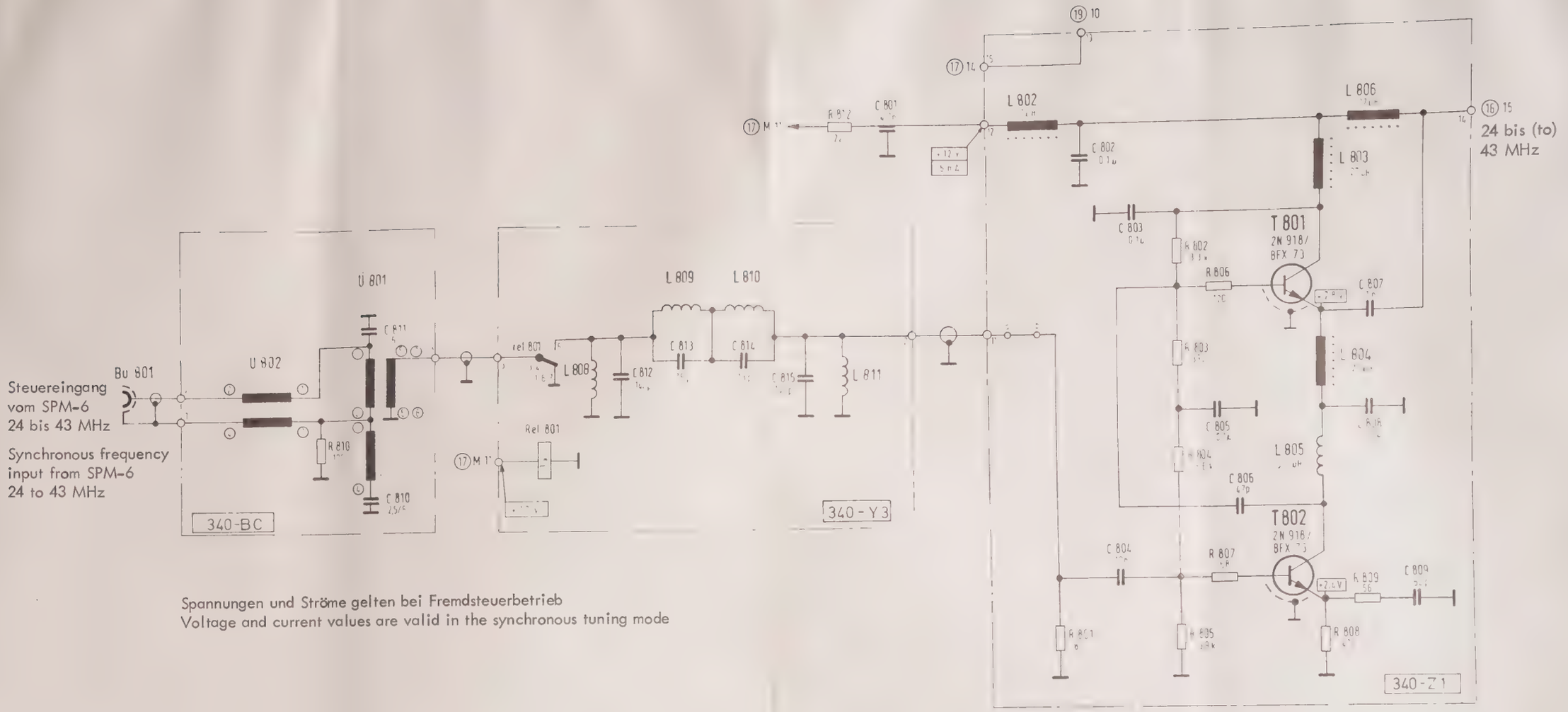


Anmerkungen (Notes):

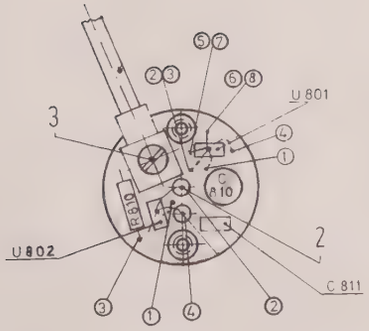
1) Serie F: T 702...T 705, T 707...T 709, T 713, T 715, T 717, T 719, T 721...T 723/BSY 80
Series F: T 702 to T 705, T 707 to T 709, T 713, T 715, T 717, T 719, T 721 to T 723/BSY 80

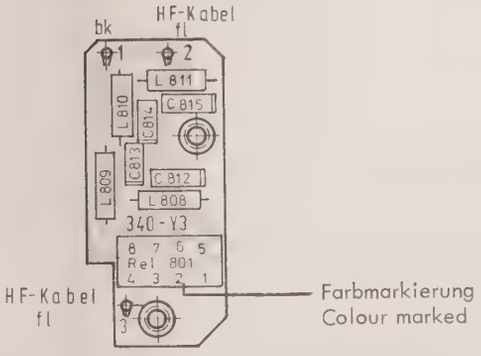
*) Werte gelten bei Betriebsart "ungedehnt"
Values in the unexpanded mode

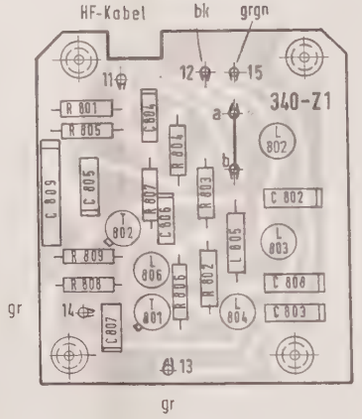
xx) Spannungen gelten, wenn T 723 eingeschaltet
Voltages valid for T 723 conducting



Spannungen und Ströme gelten bei Fremdsteuerbetrieb
Voltage and current values are valid in the synchronous tuning mode



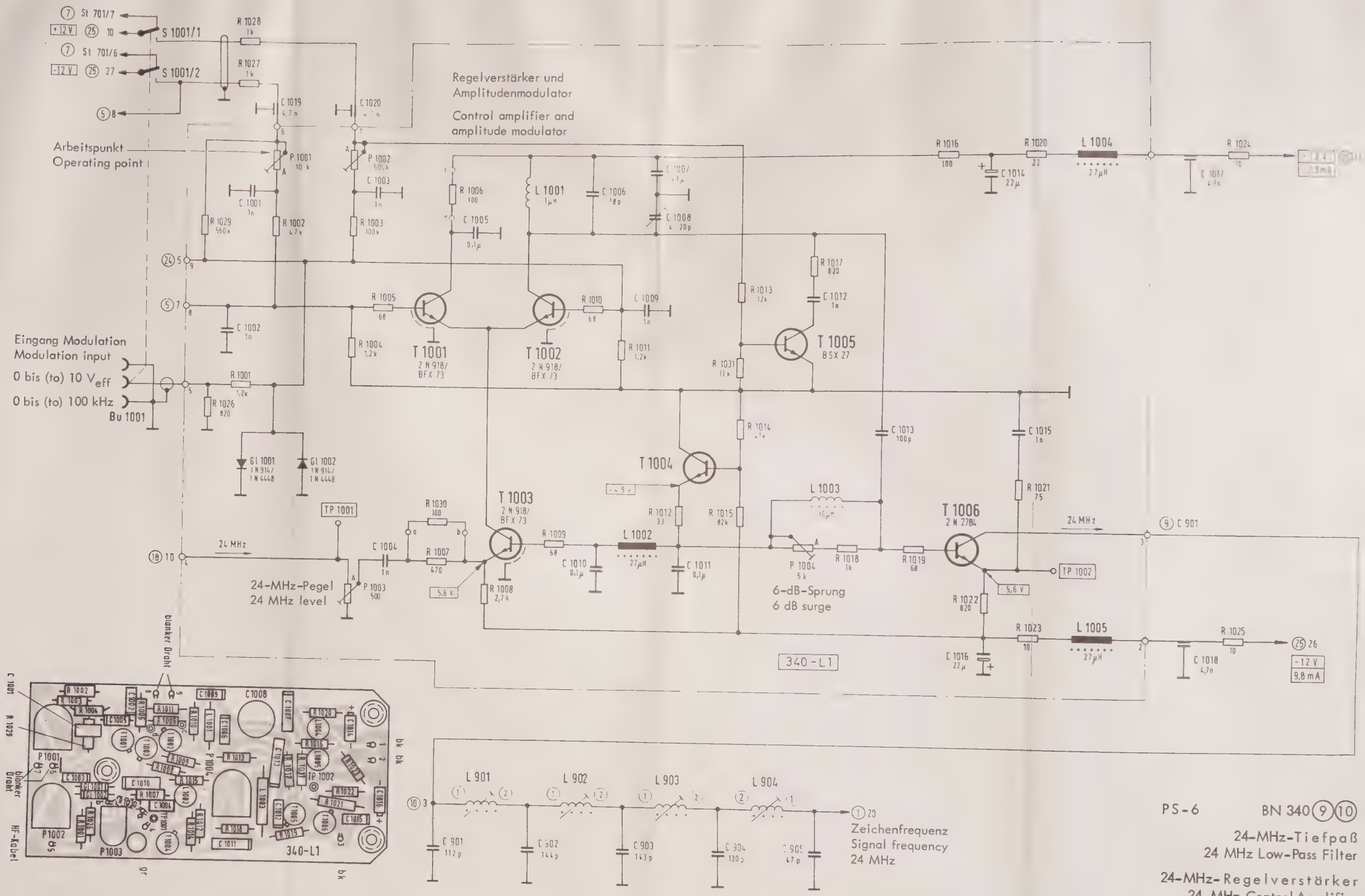




PS-6 BN 340 (8)

Träger-Fremdsteuerung

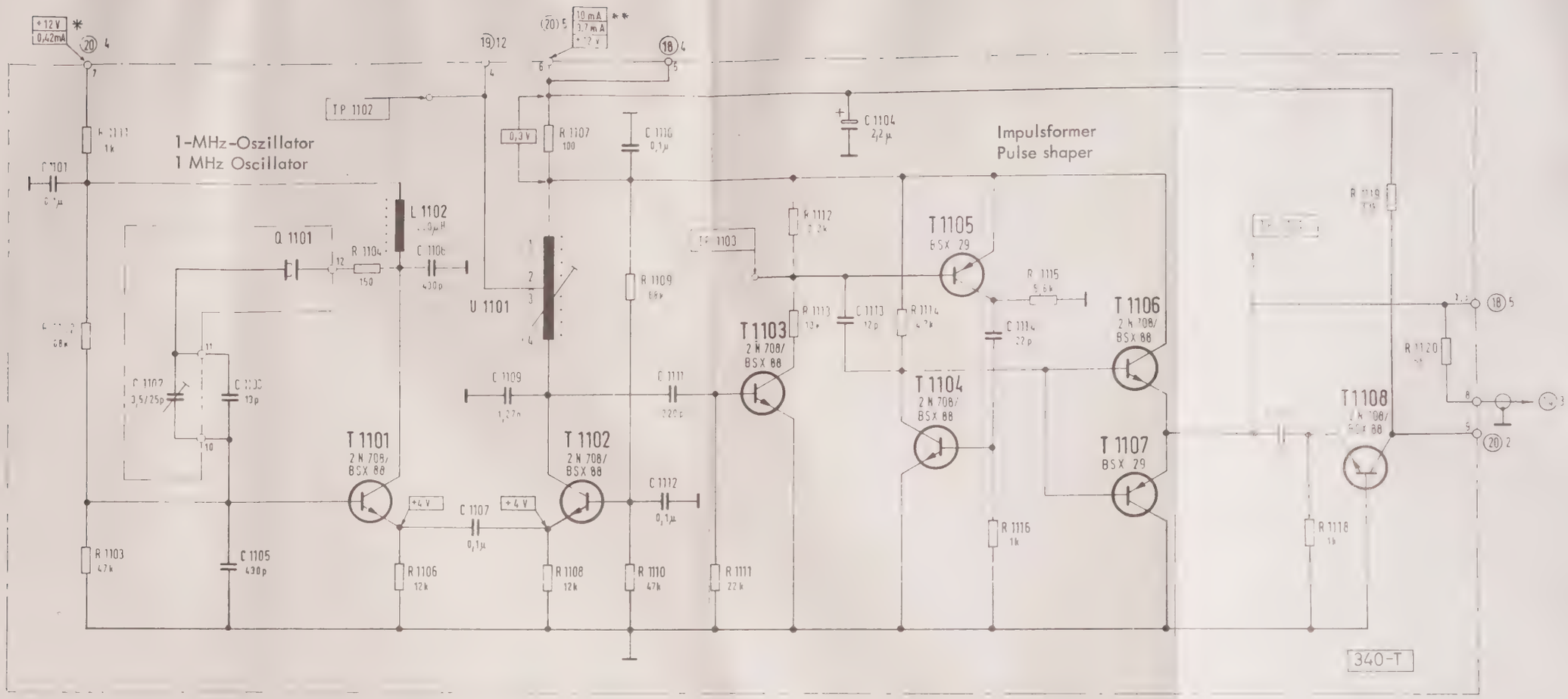
Carrier-Synchronous Tuning

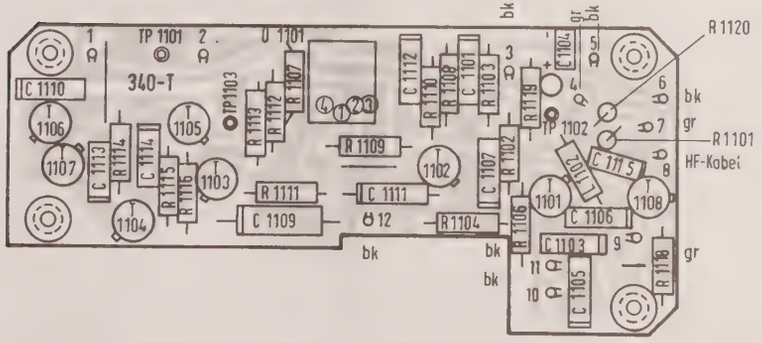


PS-6 BN 340 (9) (10)

24-MHz-Tiefpaß
24 MHz Low-Pass Filter

24-MHz-Regelverstärker
24 MHz Control Amplifier





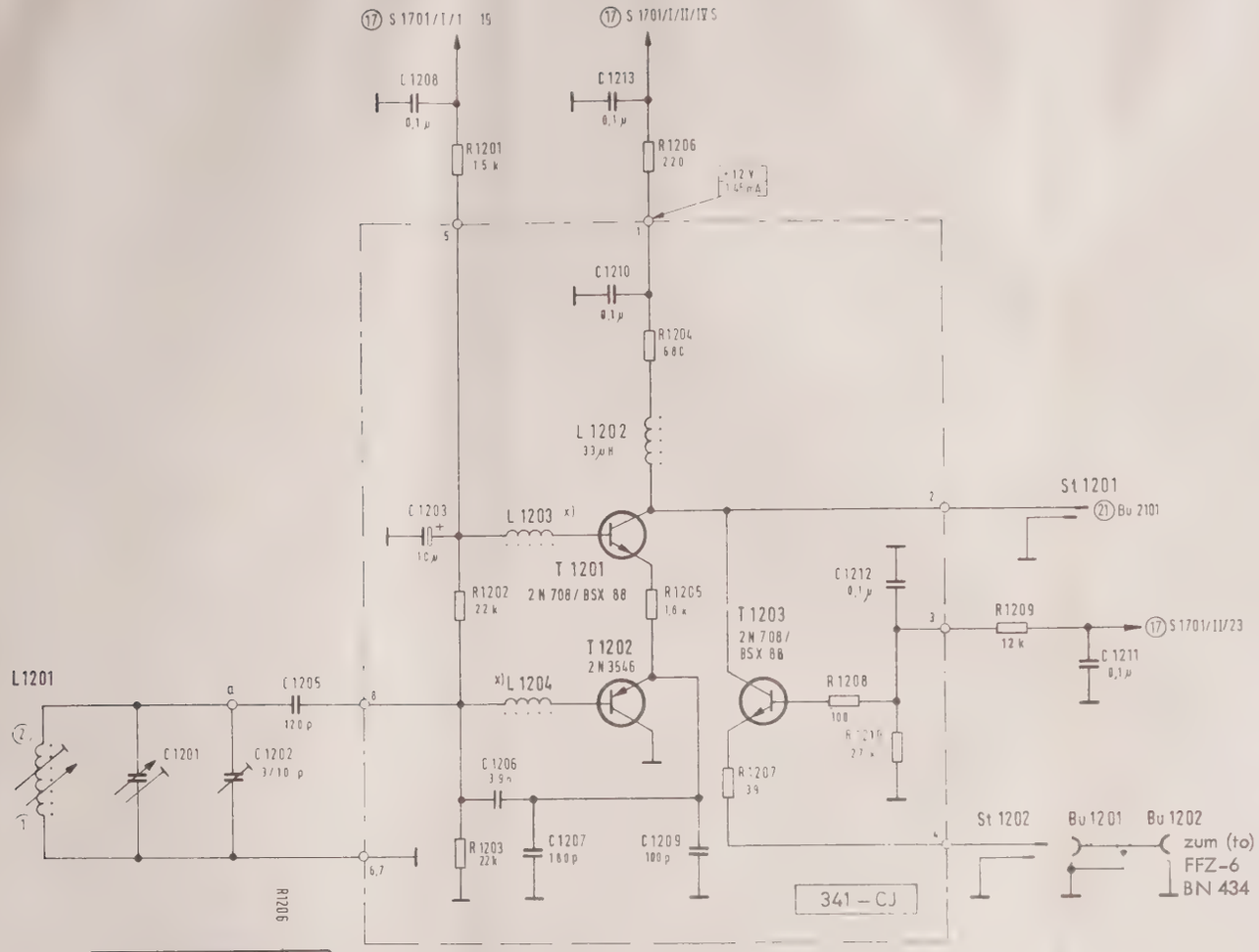
* + 12 V abgeschaltet bei Fremdsteuerung mit SPM-6
+ 12 V disconnected during synchronous tuning with SPM-6

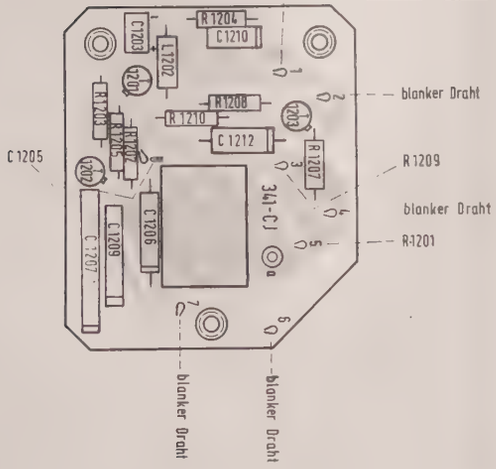
** Stromaufnahme bei Fremdsteuerung und bei Betrieb mit WZ-6
Current requirement during synchronous tuning and for the operation with WZ-6

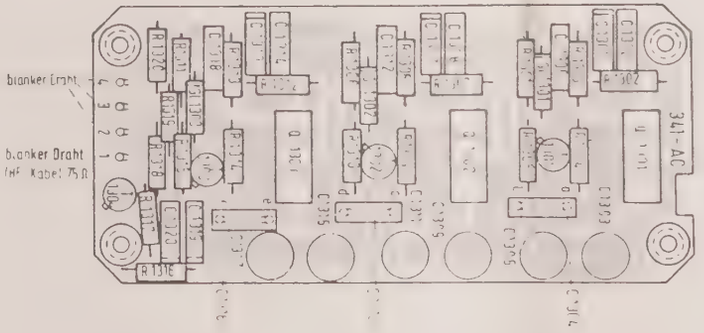
PS-6 BN 340 (11)

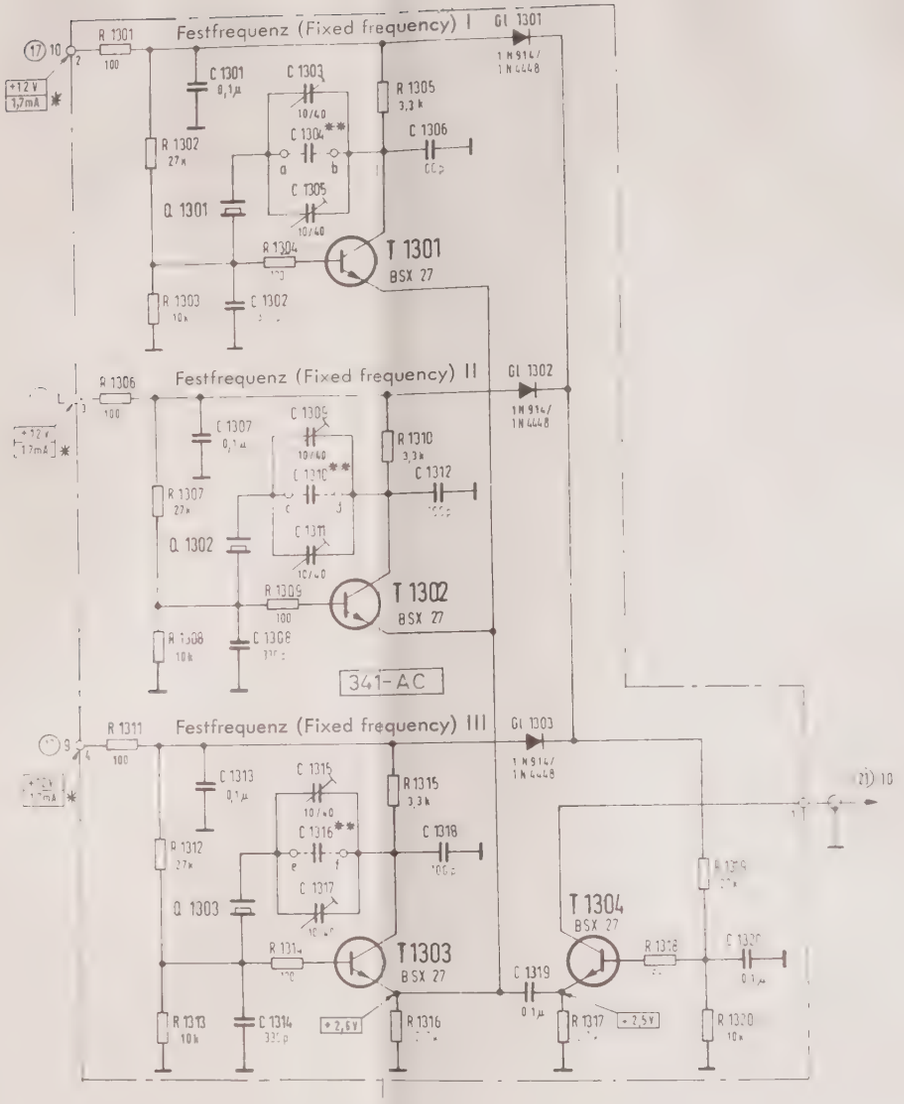
1-MHz-Oszillator und Impulsformer

1 MHz Oscillator and Pulse Shaper









x) Dämpfungsperle über Basisanschluß
Ferrite bead over base connection

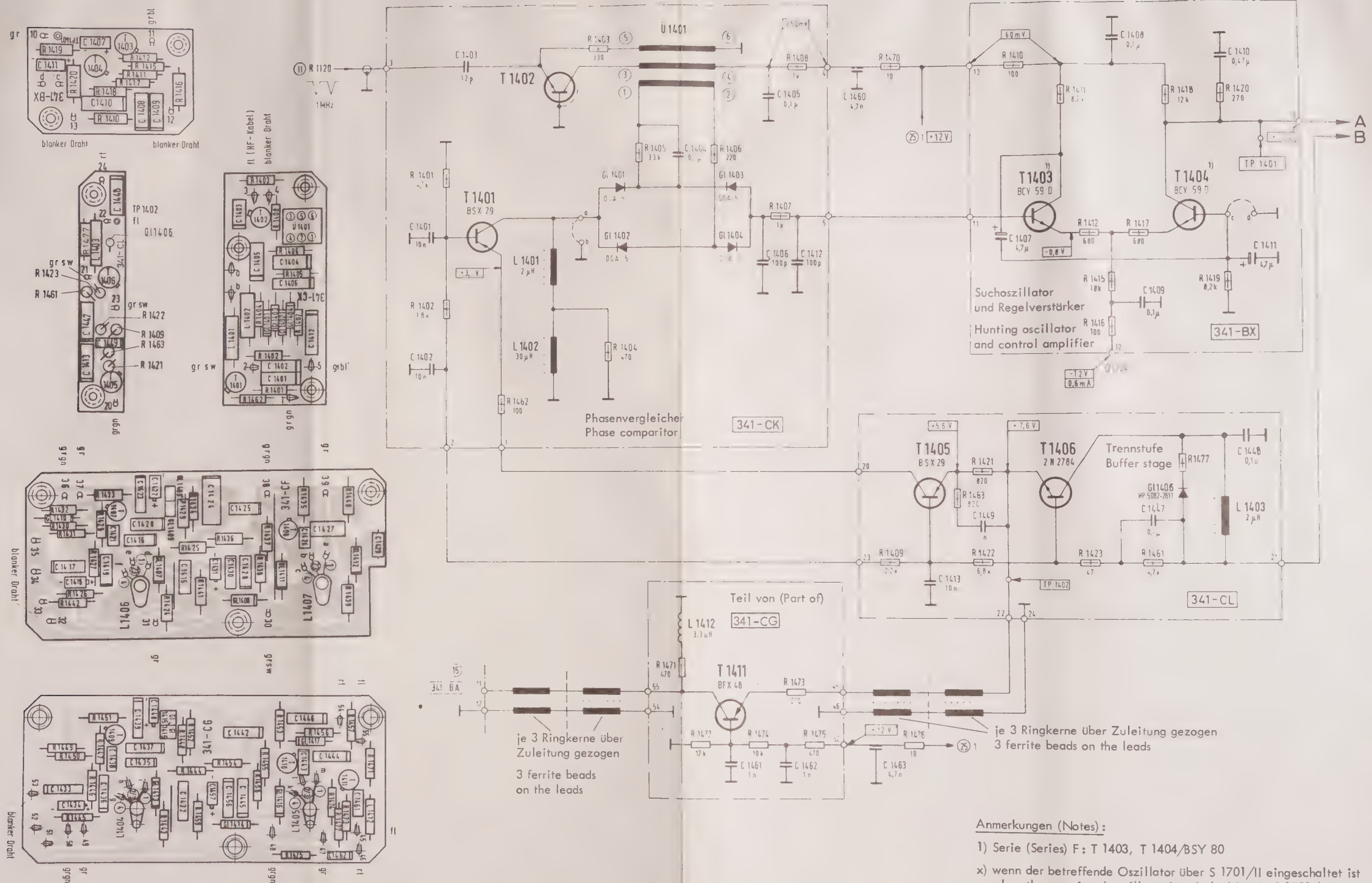
* Stromaufnahme, wenn der jeweilige Oszillator eingeschaltet ist.
Current drain when the corresponding oscillator is selected

** Abgleichwerte bei Bedarf
Alignment value if needed

PS-6 BN 340 (12) (13)

Interpolationsoszillator
Interpolation Oscillator

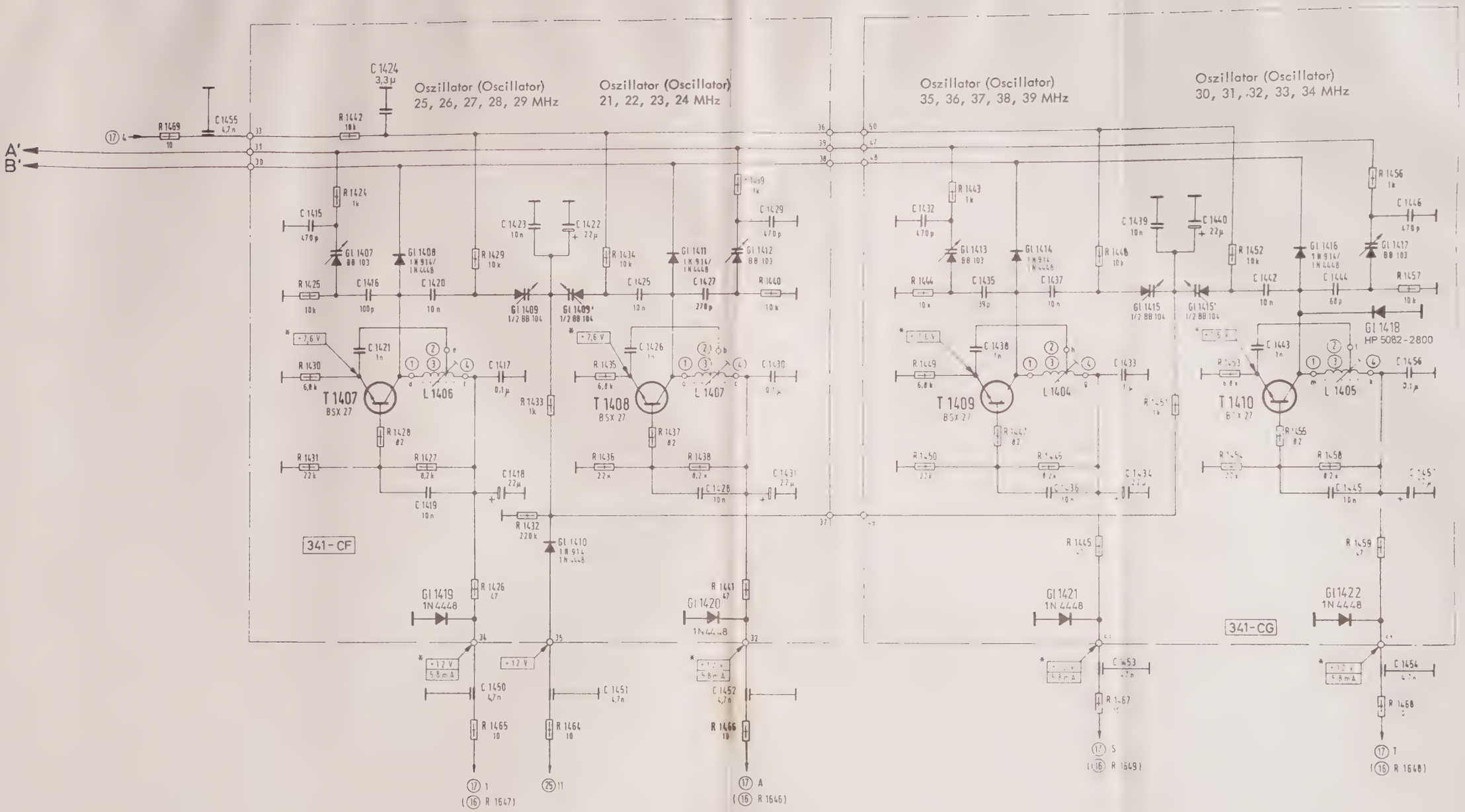
Festfrequenzoszillatoren
Fixed Frequency Oscillators



Anmerkungen (Notes):

1) Serie (Series) F: T 1403, T 1404/BSY 80

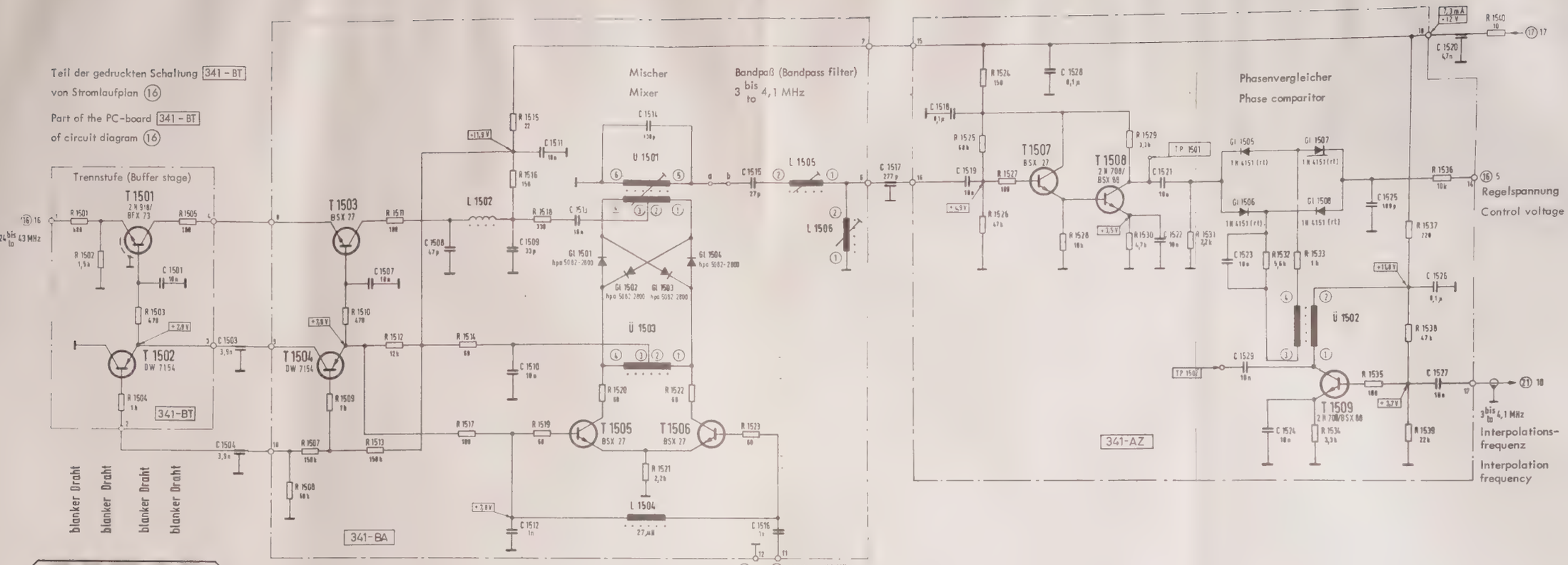
x) wenn der betreffende Oszillator über S 1701/II eingeschaltet ist
when the associated oscillator is switched in via S 1701/II

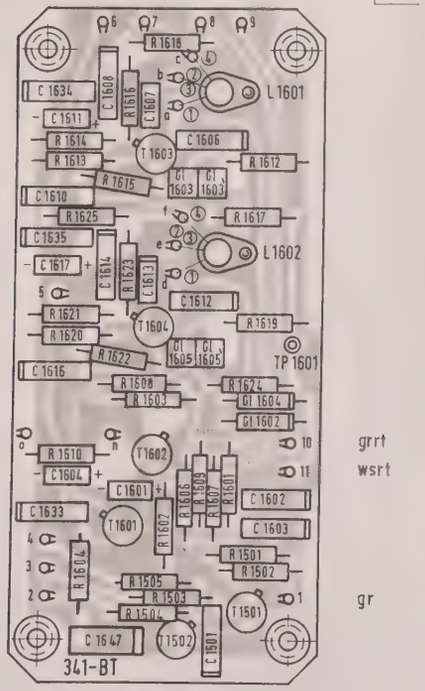


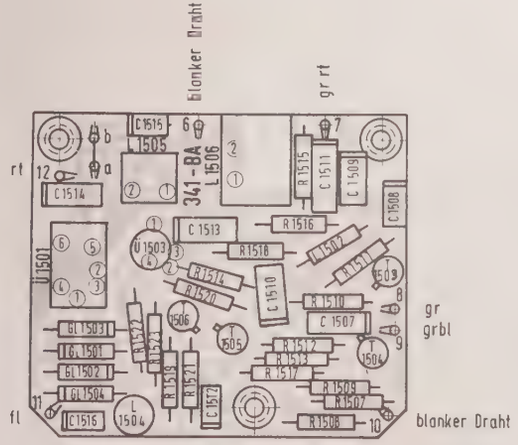
PS-6 BN 340 (14)

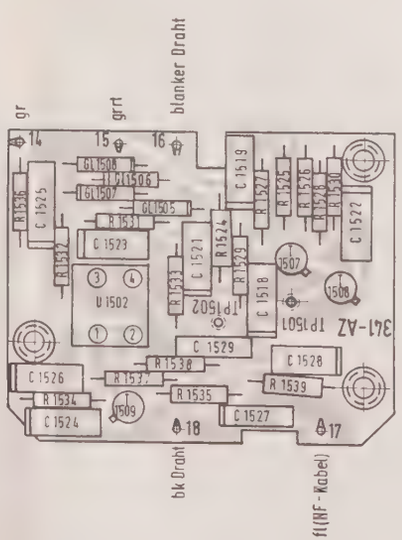
Rastoszillator

Phase-Locked Oscillator







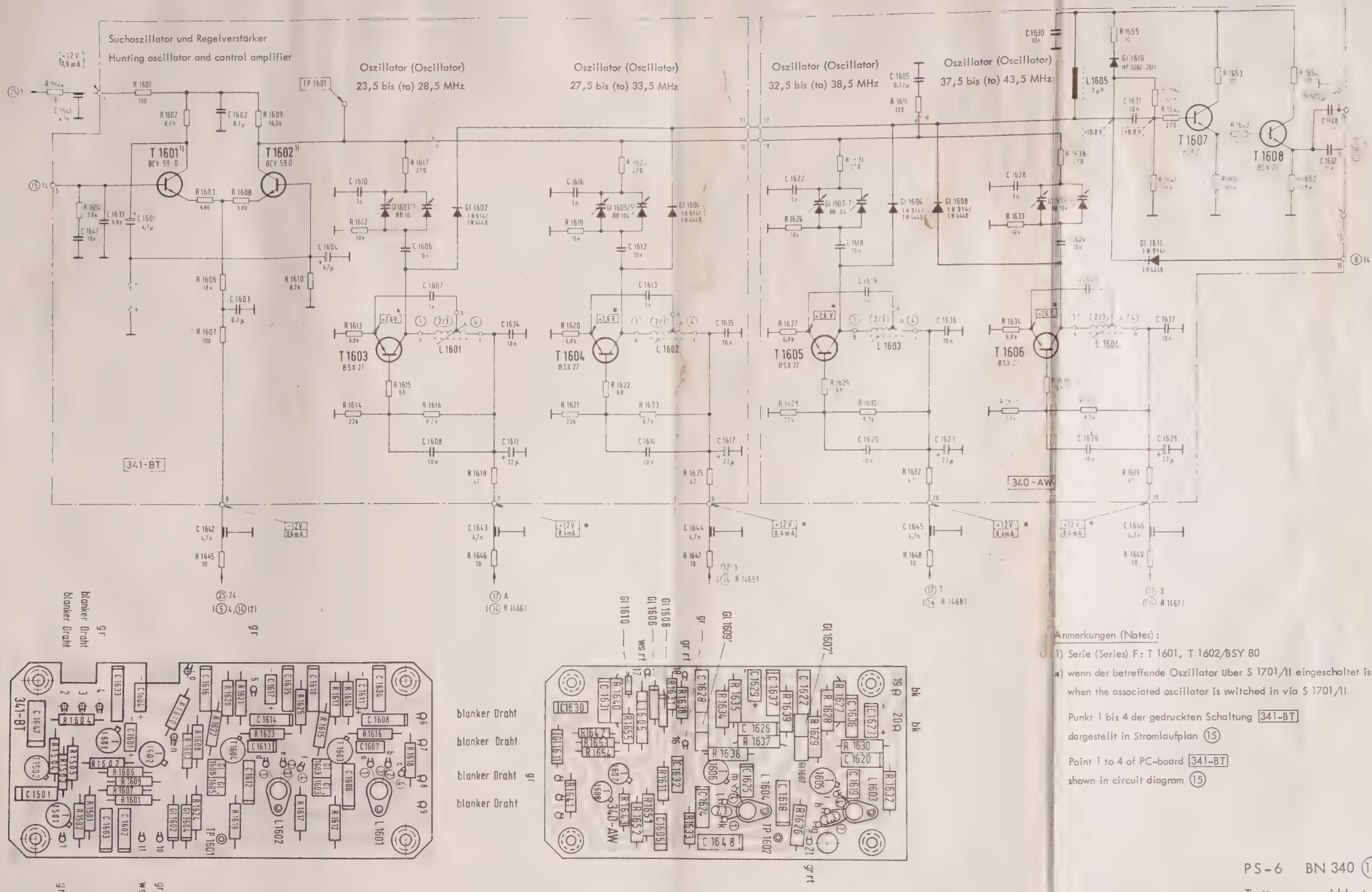


PS-6

BN 340 (15)

Interpolationsmischer, Trennstufe

Interpolation Mixer, Buffer Stage



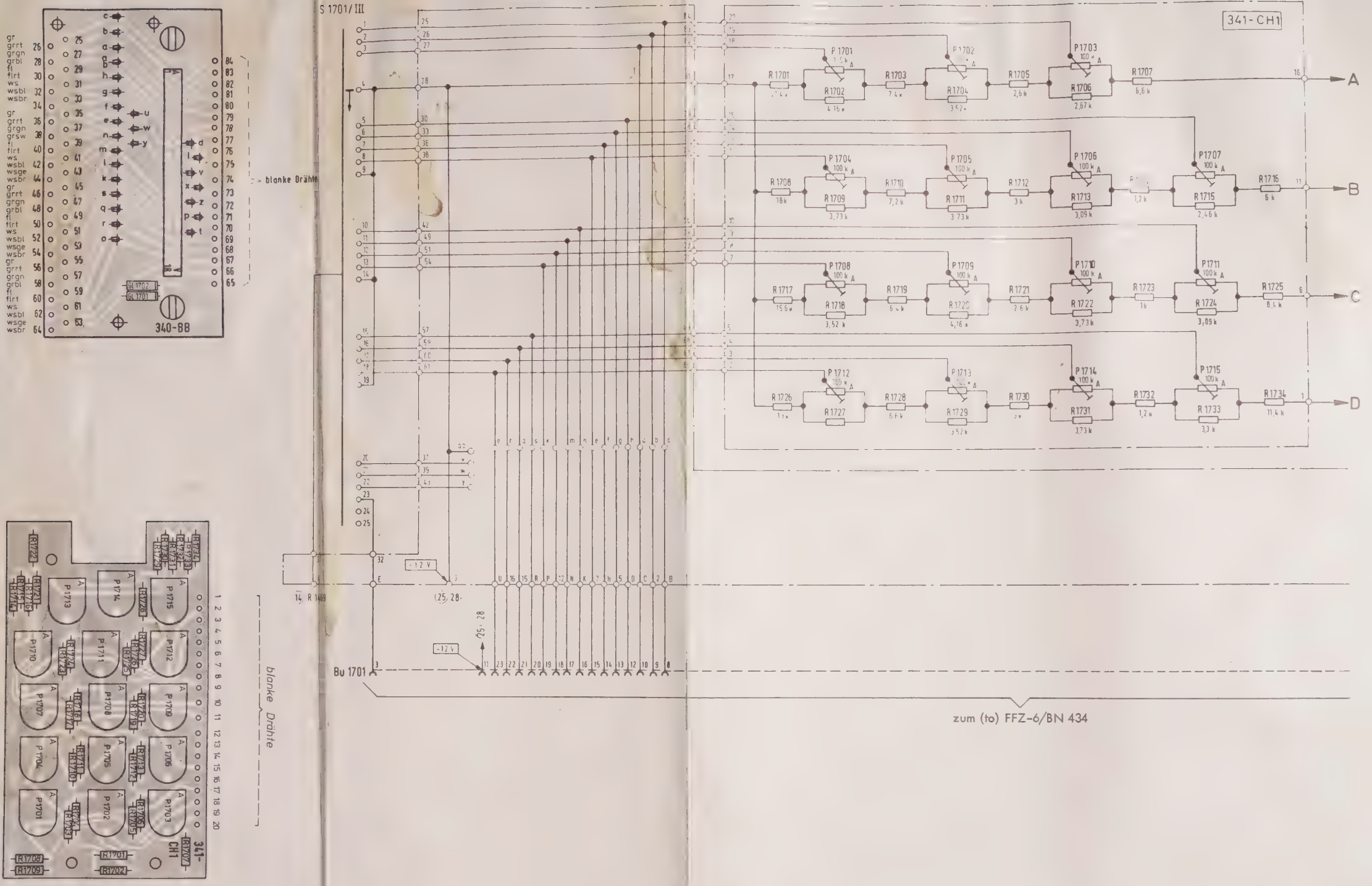
Anmerkungen (Notes):

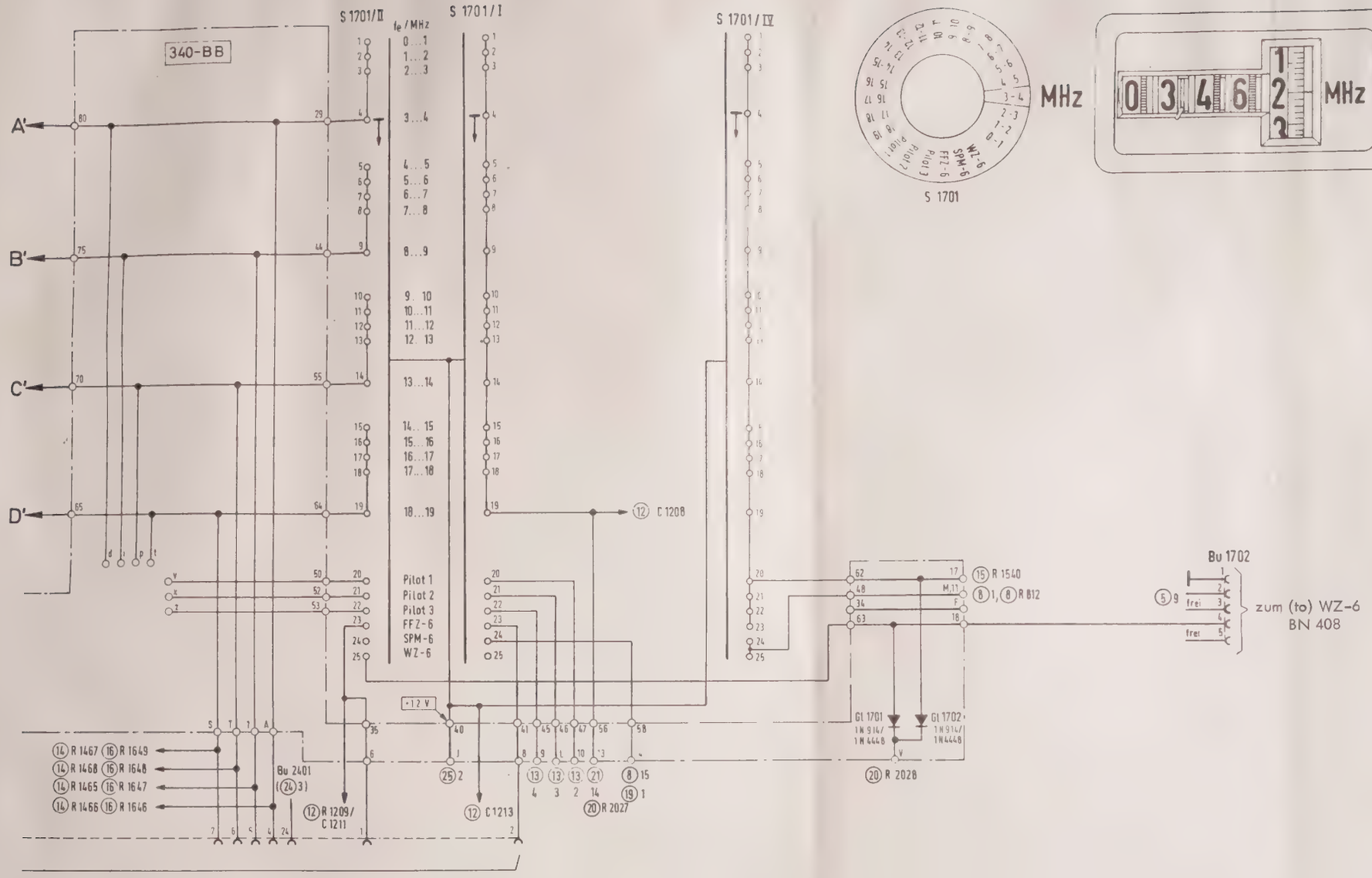
1) Serie (Series) F: T 1601, T 1602/BSY 80

*) wenn der betreffende Oszillator über S 1701/11 eingeschaltet ist
when the associated oscillator is switched in via S 1701/11

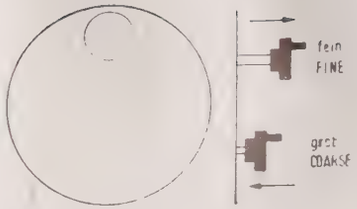
Punkt 1 bis 4 der gedruckten Schaltung 341-BT
dargestellt in Stromlaufplan (15)

Point 1 to 4 of PC-board 341-BT
shown in circuit diagram (15)


S 1701/III
341-CH1
P 1701
P 1702
P 1703
P 1704
P 1705
P 1706
P 1707
P 1708
P 1709
P 1710
P 1711
P 1712
P 1713
P 1714
P 1715
R 1701
R 1702
R 1703
R 1704
R 1705
R 1706
R 1707
R 1708
R 1709
R 1710
R 1711
R 1712
R 1713
R 1715
R 1716
R 1717
R 1718
R 1719
R 1720
R 1721
R 1722
R 1723
R 1724
R 1725
R 1726
R 1727
R 1728
R 1729
R 1730
R 1731
R 1732
R 1733
R 1734
A
B
C
D
-12 V
Bu 1701
14, R 1469
(25, 28
25, 28
blanke Drähte
340-88
341-CH1
zum (to) FFZ-6/BN 434

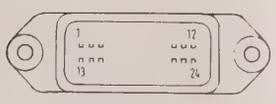


S 1701



Feineinstellung mit C 1201
Fine adjustment with C 1201

Bu 1702

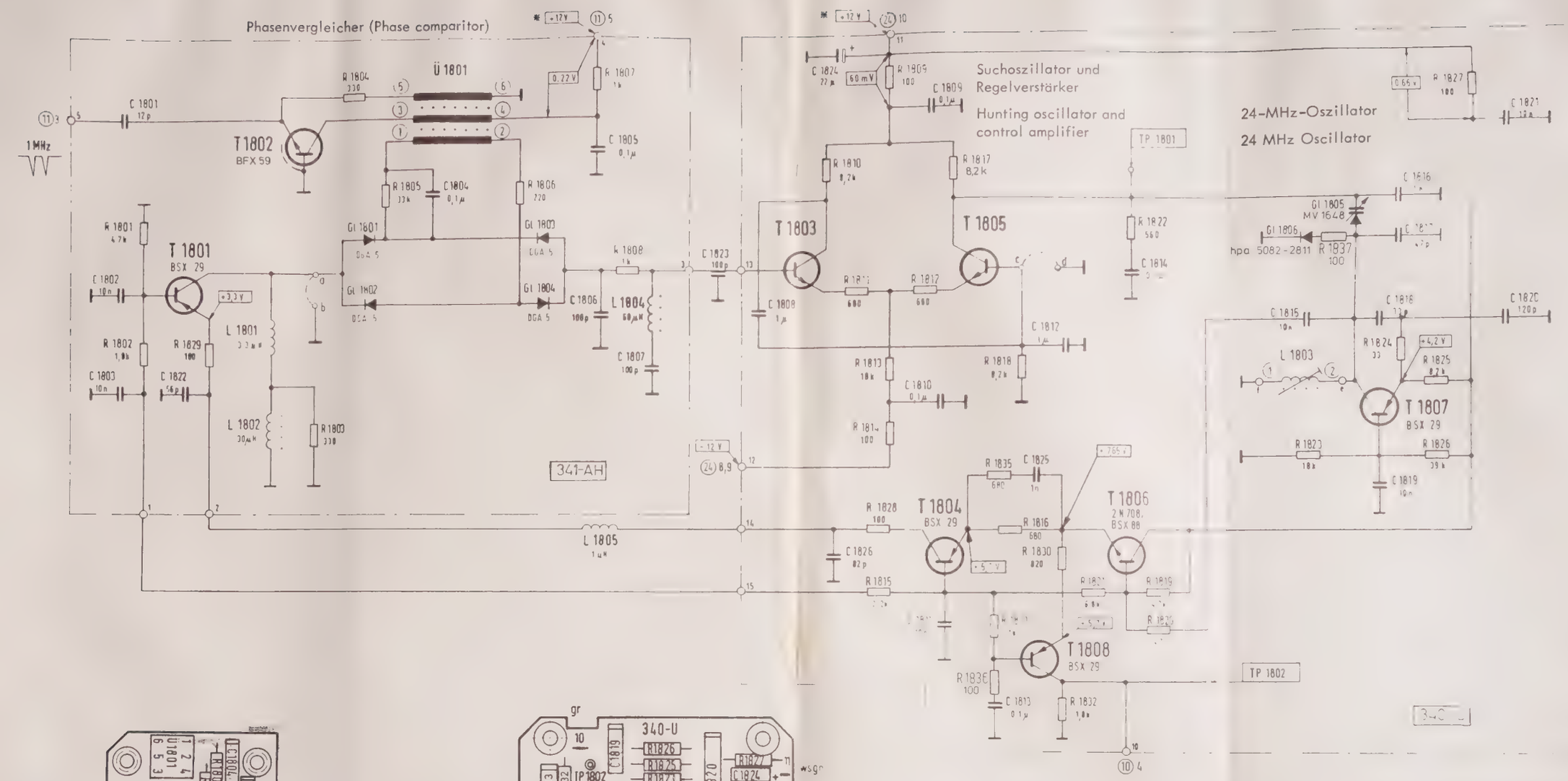


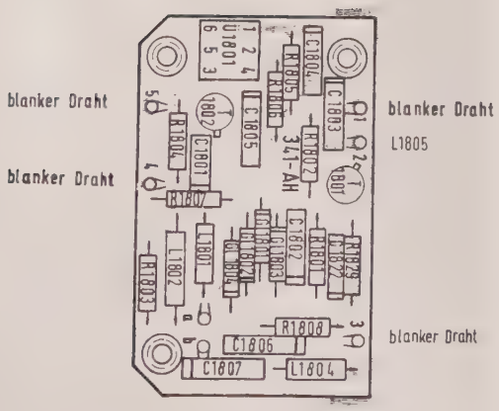
Bu 1701

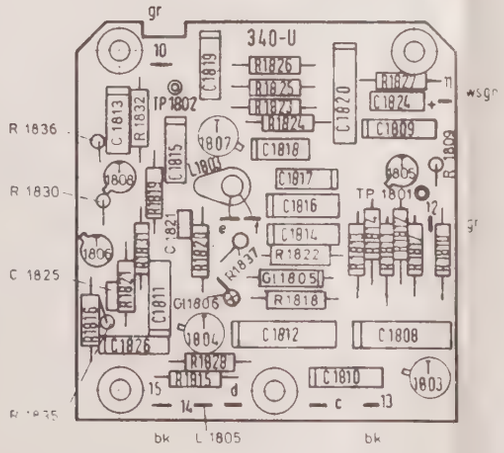
PS-6 BN 340 (17)

Frequenzbereichsschalter

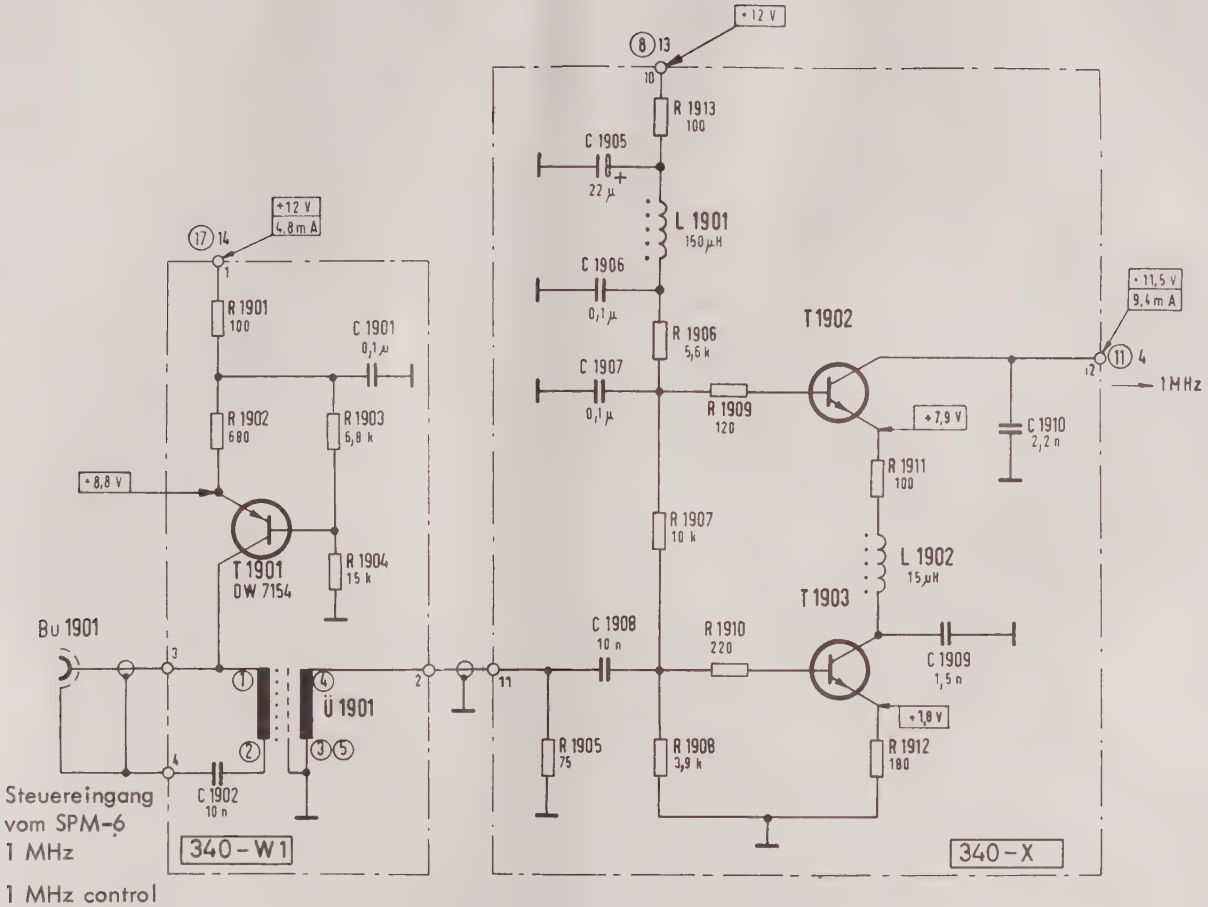
Frequency Range Switch

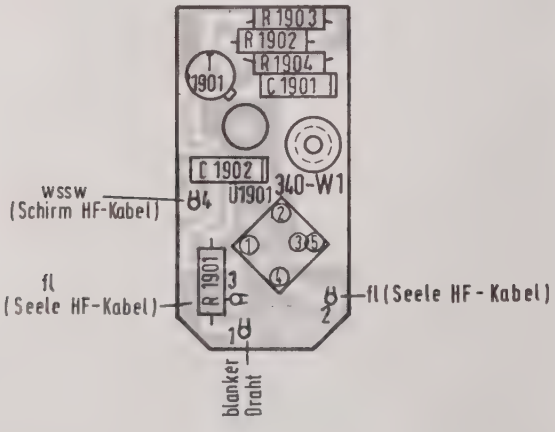


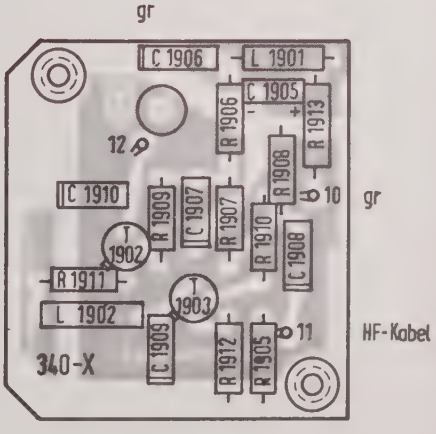




* + 12 V abgeschaltet bei Sender-Austastung S 2401
+ 12 V switched off on blanking generator S 2401





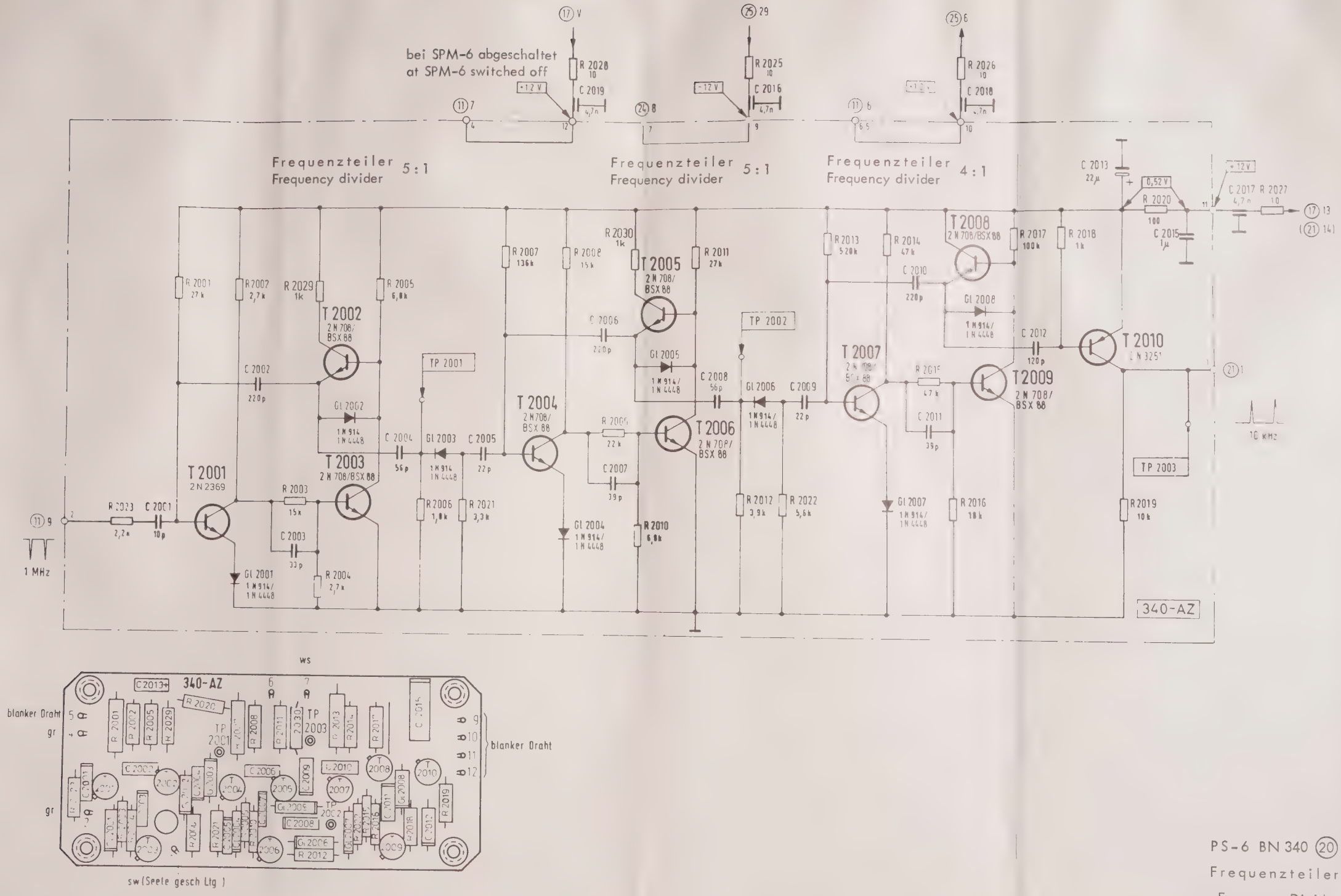


PS-6 BN 340 (19)

1-MHz-Fremdsteuerung

1 MHz Synchronous Tuning

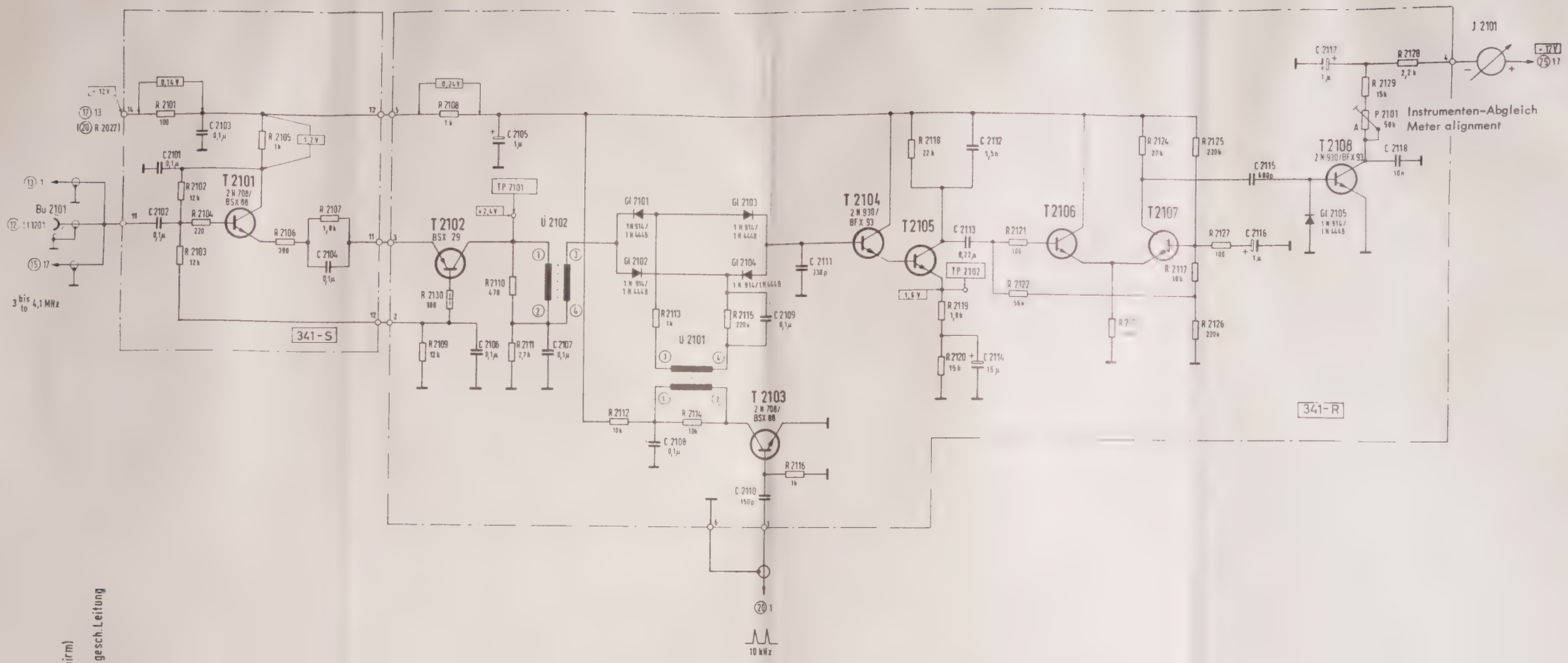
Spannungen und Ströme gelten bei Fremdsteuerbetrieb
Voltage and current values valid during synchronous tuning

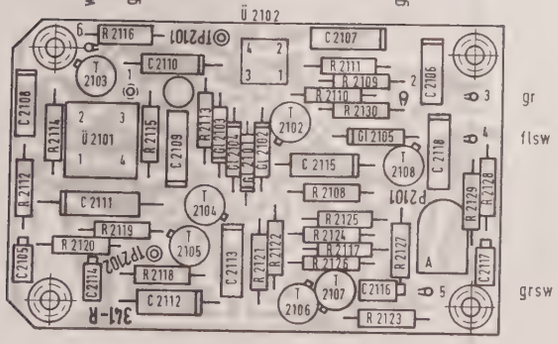


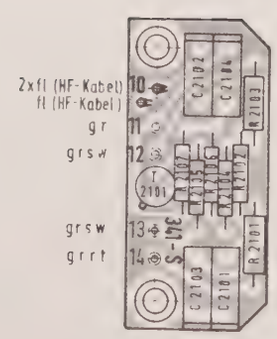
PS-6 BN 340 (20)

Frequenzteiler

Frequency Divider



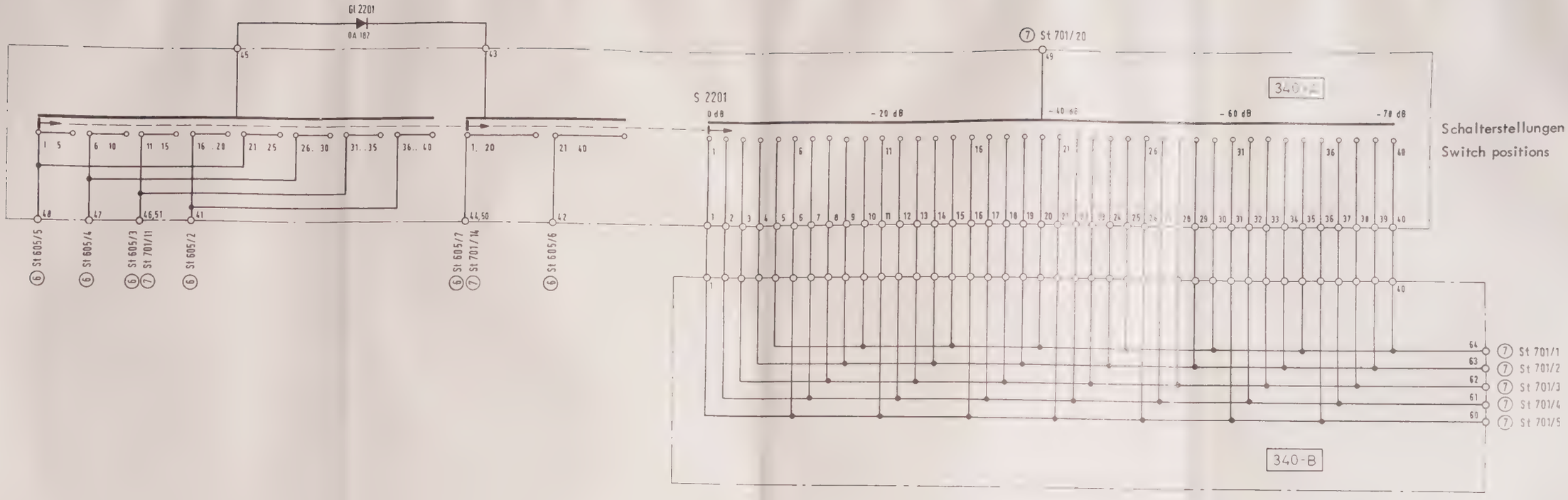


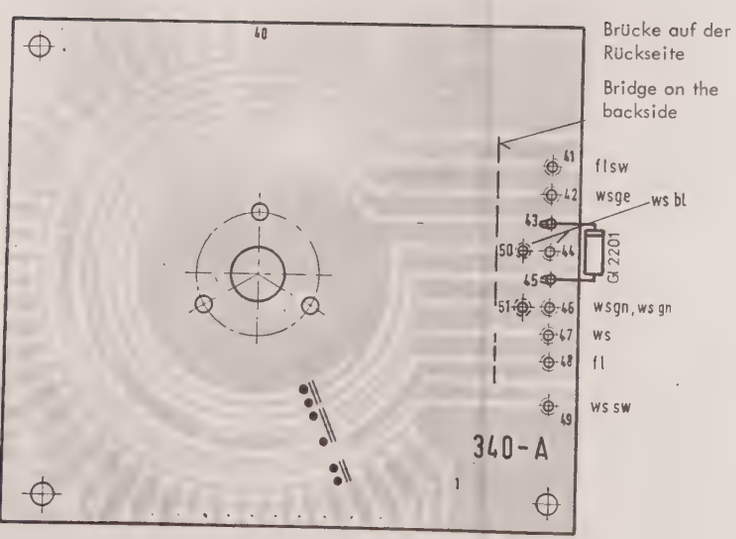


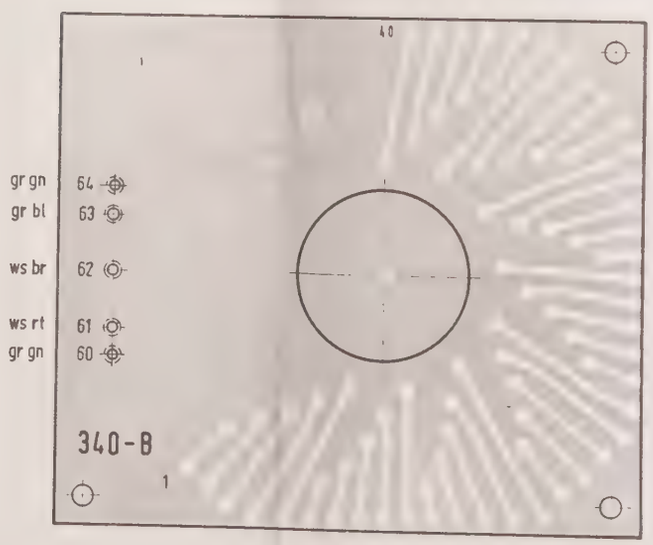
PS-6 BN 340 (21)

Abstimmanzeige

Tuning Indicator



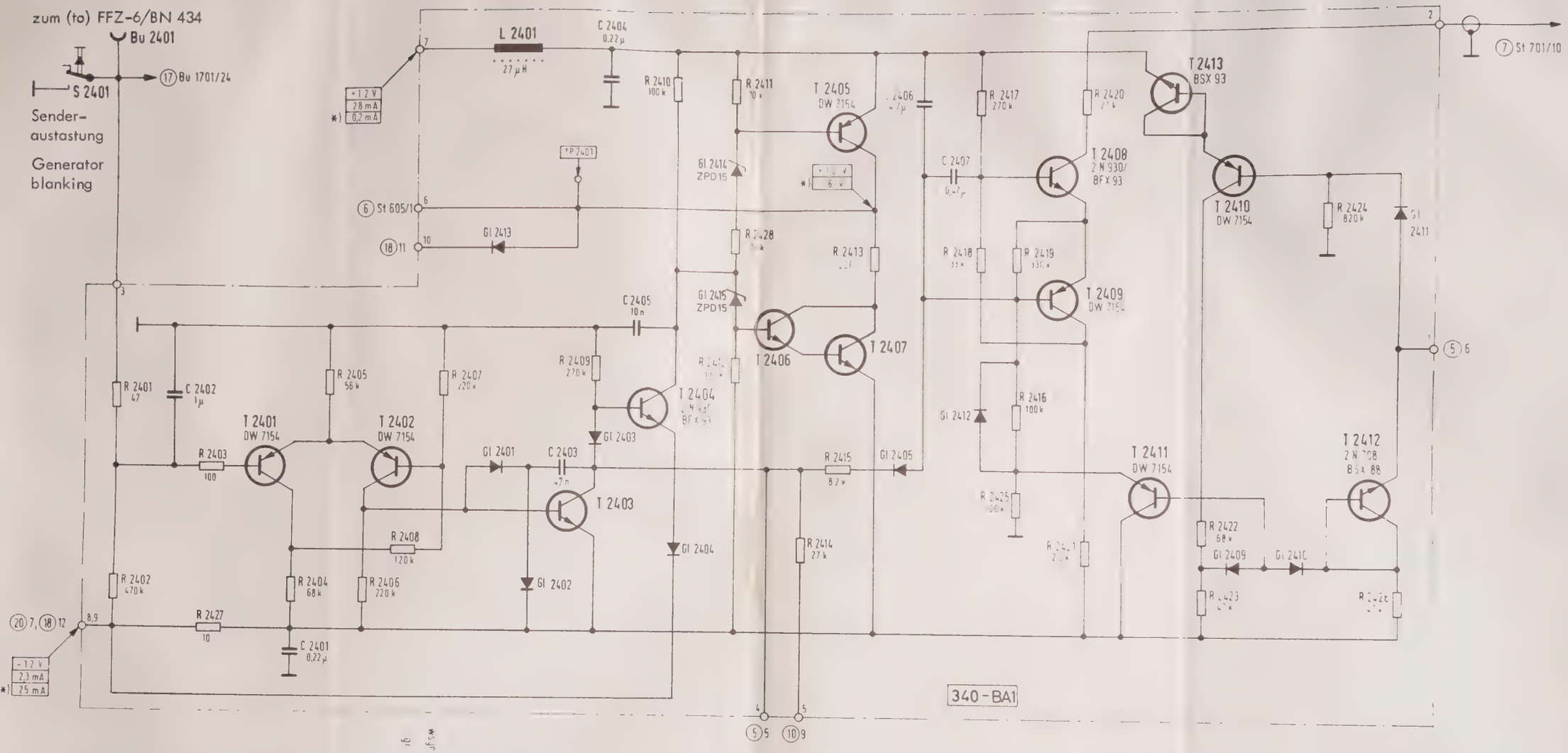


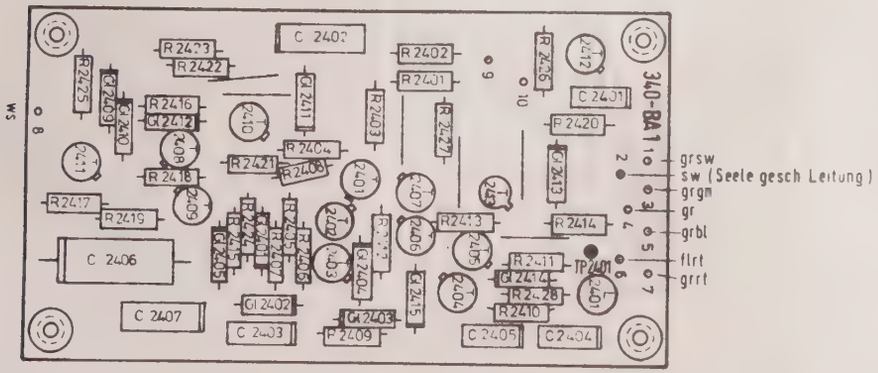


PS-6 BN 340 (22)

Ausgangspegelschalter dB,

Output Level Switch dB,





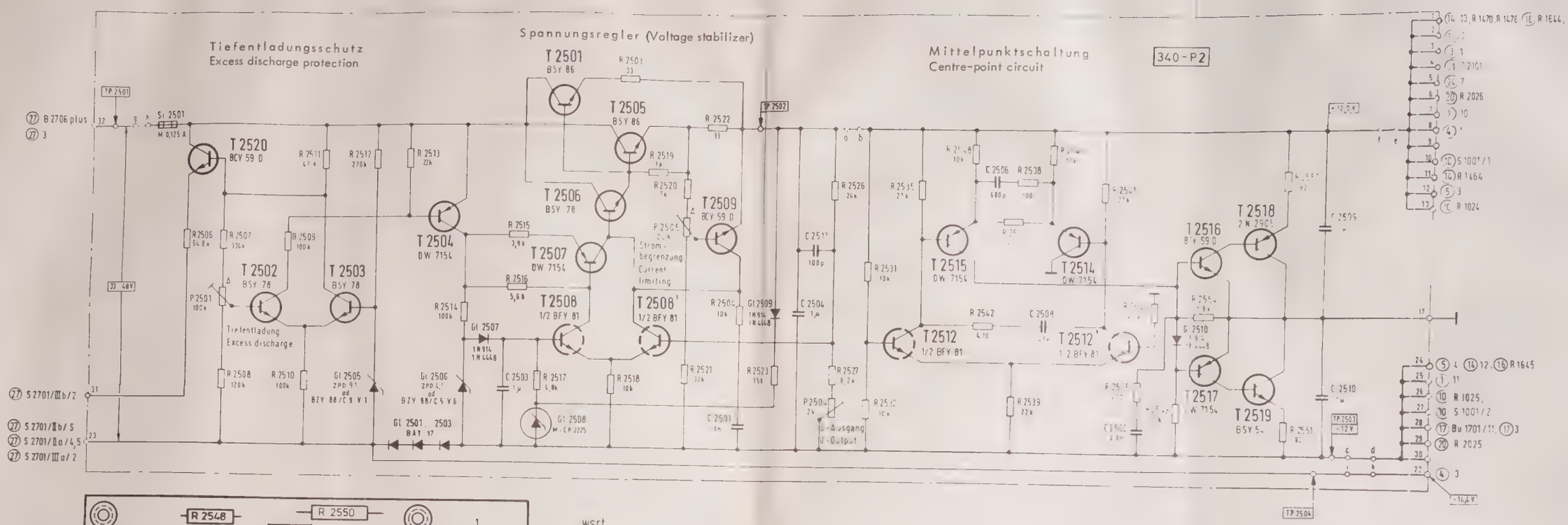
*) Bei Austastung
During blanking

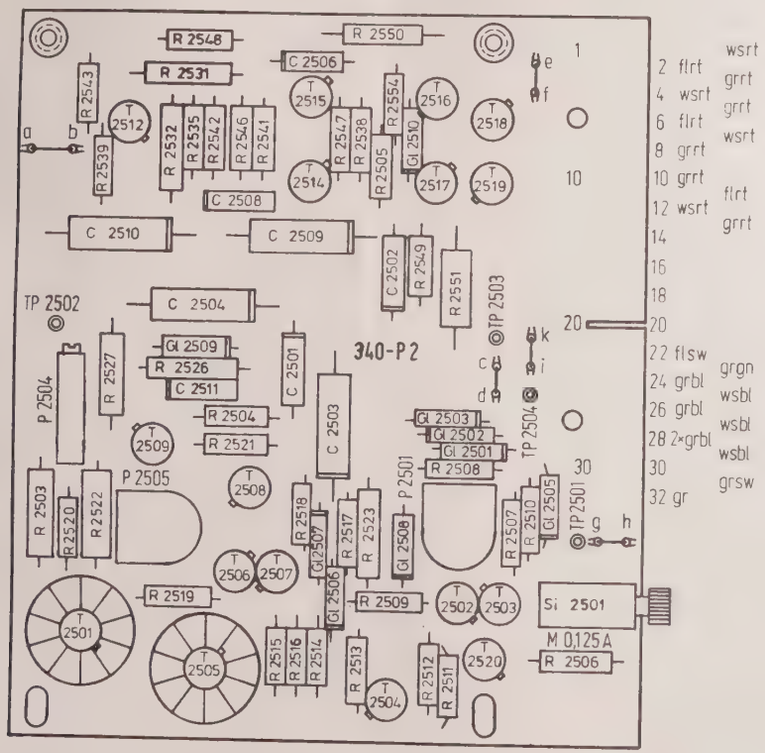
Alle nichtbezeichneten Dioden = 1 N 4448
All not designated diodes = 1 N 4448

PS-6 BN 340 (24)

Austastschaltung

Blanking Circuit

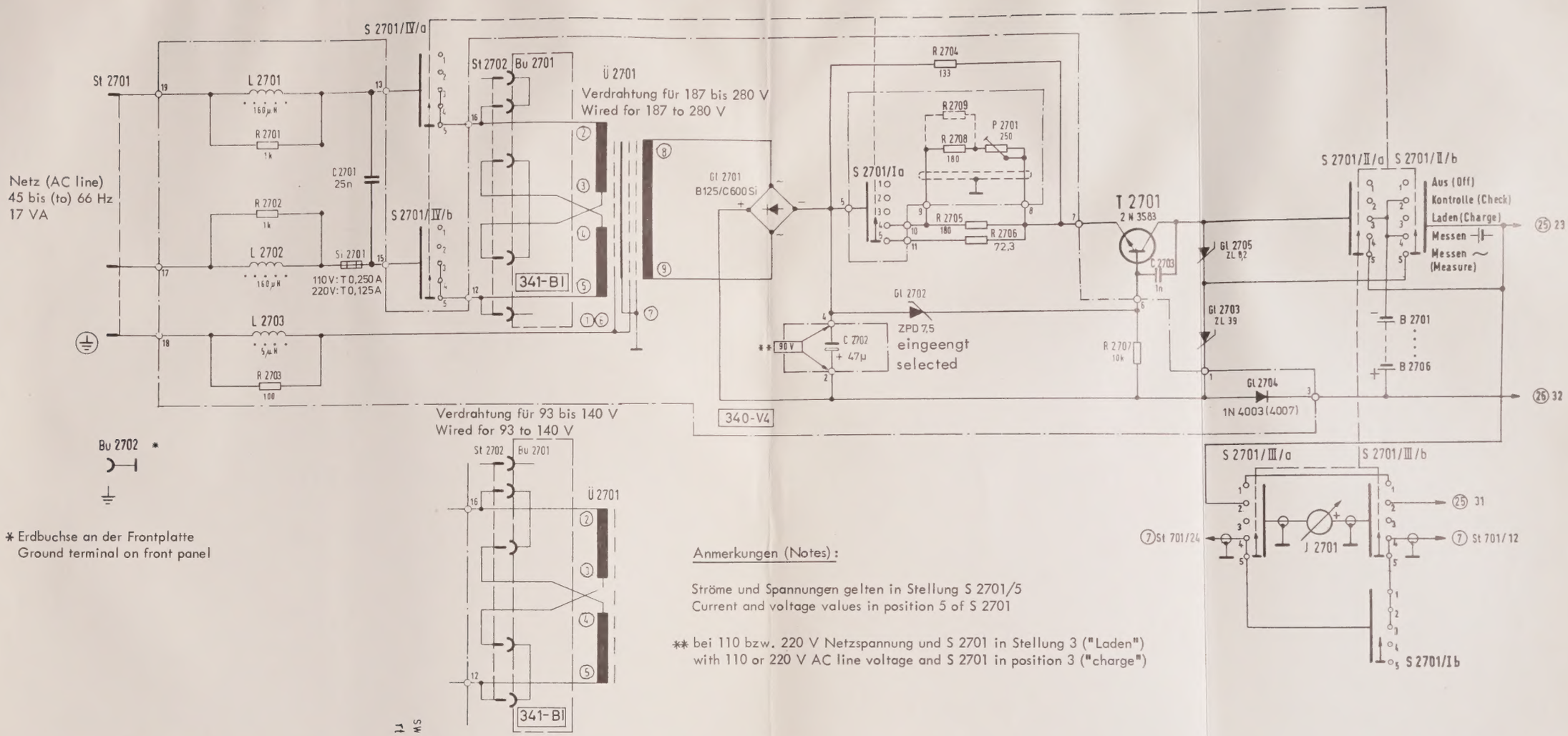




PS-6 BN 340 (25)

Spannungsregler

Voltage Stabilizer

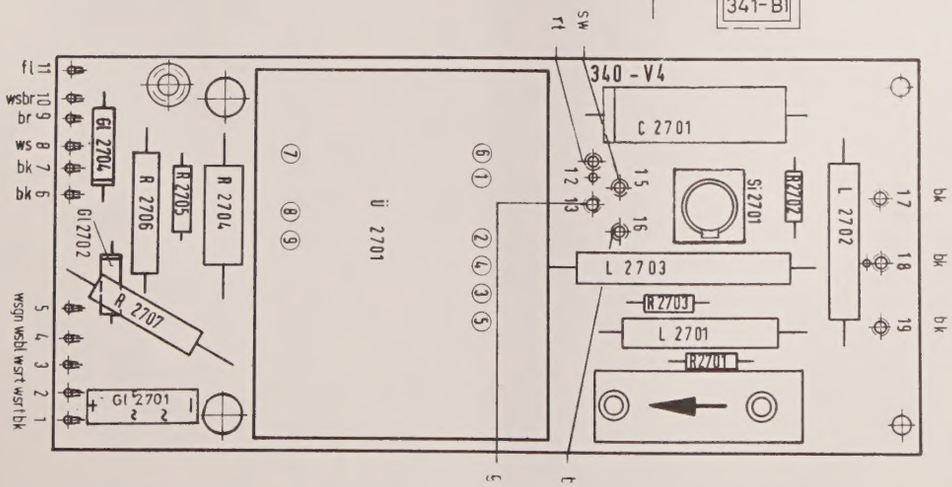


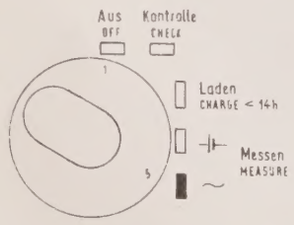
* Erdbuchse an der Frontplatte
Ground terminal on front panel

Anmerkungen (Notes):

Ströme und Spannungen gelten in Stellung S 2701/5
Current and voltage values in position 5 of S 2701

** bei 110 bzw. 220 V Netzspannung und S 2701 in Stellung 3 ("Laden")
with 110 or 220 V AC line voltage and S 2701 in position 3 ("charge")





S 2701
Dargestellt in Stellung 5
Shown in position 5

Netzteil
Power Supply

Wandel u. Goltermann

7410 Reutlingen, Postfach 259, Telefon 07121/3226, Telex 0729-833 wug d